

**10/12 PITCHES (TYP.)
UNLESS NOTED**

HARDWARE:
LJS26DS - (V)

NOTE:

H -1'-6"-0 RAISED CEILING

TOWN OF BRADFORD WEST GWILLIMBURY
BUILDING DEPARTMENT
PLANS EXAMINED
ONTARIO BUILDING CODE APPLIES
DATE: 2018-10-22

INSPECTOR: BG

ALL CONVENTIONAL ROOF FRAMING TO PART 9 OF THE OBSOLETE EDITION OF ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4"SPF@24"o.c. WITH A 2"x4"SPF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE LATEROALLY BRACED SO THAT THE DISTANCE BETWEEN END JOINTS AND BETWEEN JOINTS OF BRACING DOES NOT EXCEED 6'.

BEI WEIN UND F

DESIGN LOADS:

SNOW LOAD	32.5 PSF
TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

1-04-00
SITE COPY

Job Track: **44755**

Layout ID: 286820

Plan Log: **93746**

Builder / Location:

BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

Date:	06-Feb-18	Designer:	sonny
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Model / Elevation:

SD25-4 SONOMA4/ EL:A -CORNER UPGRADE (STD./OPT.)
 PAIRED WITH EL:A(STD/OPT)(REV.)

Mitek ver 7.5.0

Center line of wood party wall EL:B (STD/OPT)(REV)
286713 01

NOTE:
H2 -24" RAISED PLATE

**PRELIMINARY
LAYOUT ONLY
T-170587**

711,435

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Date:	06-Feb-18	Designer:	sonny
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THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC., SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE

Mitek ver 7.5.0

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBSOLETE EDITION OF THE ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPSF @ 24" o.c. WITH A 2"x4" SPSF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE LATEROALLY BRACED SO THAT THE DISTANCE BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN | INTERIOR
JONG NATHANSON

SNOW LOAD 32.5 PSF
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

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Center line of wood party wall EL:C (STD/OPT)(REV)
286716 01

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PARTS OF THE OBSOLETEST EDITION OF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4"SP@24"o.c. WITH A 2"x4"SP VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE Laterally Braced SO THAT THE DISTANCE BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN LOADS:

**DENOTES:
CONVENTIONAL
FRAMING**

SITE COPY

211,425

TAMARACK
LUMBER, INC.
ALPA LUMBER GROUP

Plan Log: **93746**

Date:	06-Feb-18	Designer:	sonny
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SD25-4 SONOMA4/ EL:C-CORNER UPGRADE (STD/OPT)
 PAIRED WITH EL:C(STD/OPT)(REV.)

THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC., SHALL NOT BE REPRODUCED, PUBLISHED OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.

Mitek ver 7.5.0

DATE	02/06/18
SALES REP	Mario



Delivery Shiplist

JOB TRACK: 44755	LAYOUT ID: 286821	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: sd25-4	ELEVATION: A COR UPG	

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1	G33 COMMON	10.00 0.00	15-06-00	08-01-03	2 X 4 2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	77.28 50.67		
	15	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	8	J10 JACK-OPEN	4.00 0.00	04-06-00	01-09-15	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 01-09-15	97.60 64.00		
	5	J2 JACK-PARTIAL	4.00 0.00	07-09-00	02-10-15	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 02-10-15	114.10 70.00		
	1	J30 JACK-OPEN	4.00 0.00	01-09-07	00-11-01	2 X 4 2 X 4	01-03-08 02-08-09	00-03-15 00-03-08	8.94 6.00		
	1	J40 JACK-OPEN	4.00 0.00	03-09-07	01-07-01	2 X 4 2 X 4	01-03-08 00-08-09	00-03-15 00-03-08	11.34 7.33		
	1	J50 JACK-OPEN	4.00 0.00	01-09-07	00-11-01	2 X 4 2 X 4	01-03-08 00-01-01	00-03-15 00-03-08	5.95 4.00		
	1	J60 JACK-OPEN	4.00 0.00	01-10-08	01-07-01	2 X 4 2 X 4	01-03-08 01-10-15	00-03-15 00-04-03	8.35 5.33		
	1	J70 JACK-OPEN	4.00 0.00	04-06-00	01-09-15	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 01-09-15	12.20 8.00		
	2	P1 PIGGYBACK	10.00 0.00	10-08-07	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
	2	P2 PIGGYBACK	10.00 0.00	10-08-07	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
	2	P3 PIGGYBACK	10.00 0.00	10-08-07	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
	2	P4 PIGGYBACK	10.00 0.00	10-08-07	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
	1 2 Ply	T1 HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	1 2 Ply	T100 HALF HIP	4.00 0.00	20-05-00	01-09-15	2 X 4 2 X 4	00-00-00 01-03-08	00-03-15 01-09-15	137.54 89.34		
	1	T10A HALF HIP	14.00 0.00	09-02-00	02-10-15	2 X 6 2 X 4	01-03-08 00-10-08	01-06-01 02-10-15	50.54 35.33		
	6	T14 JACK-OPEN	4.00 0.00	05-01-00	02-03-12	2 X 4 2 X 4	01-03-08 00-10-08	00-03-15 02-00-04	109.86 72.00		
	1 2 Ply	T1Z HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		

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Delivery Shiplist

DATE	02/06/18
SALES REP	Mario

JOB TRACK: 44755	LAYOUT ID: 288821	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: sd25-4	ELEVATION: A COR UPG	

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

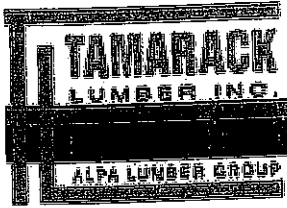
PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	2	T2 HALF HIP	10.00 0.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78 111.66		
	2	T3 HALF HIP	10.00 0.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	190.30 120.66		
	1 2 Ply	T32 COMMON	10.00 0.00	15-06-00	08-01-03	2 X 4 2 X 6	00-00-00 00-00-00	01-07-11 01-07-11	174.56 111.34		
	2	T4 HALF HIP	10.00 0.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36 119.66		
	2	T5X HALF HIP	10.00 0.00	21-01-08	08-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-11-06 08-01-04	204.12 129.34		
	10	T6X PIGGYBACK	10.00 0.00	21-01-08	09-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-11-06 09-01-04	1144.00 716.70		
	2	T7X HALF HIP	10.00 0.00	21-01-08	10-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-11-06 10-01-04	253.78 158.00		
	2	T8 MONOPITCH	10.00 8.00	10-08-08	10-06-12	2 X 4 2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	126.54 81.66		
	2	T9 MONOPITCH	10.00 0.00	10-08-08	10-06-12	2 X 4 2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	111.48 70.66		

TOTAL # TRUSS= 81.00

TOTAL BFT OF ALL TRUSSES=

2602.05 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4094.01 LBS.

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Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755

LAYOUT ID: 288695 D1

LOCATION:

BUILDER: BAYVIEW WELLINGTON-GREEN VALLE

SUB-BUILDER:

MODEL: SD25-4

ELEVATION: A

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

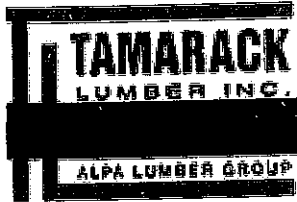
PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HALF HIP	10.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54		
	2 Ply		0.00							104.00		
	1	T12 HALF HIP	10.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54		
	2 Ply		0.00							104.00		
	2	T2 HALF HIP	10.00	20-03-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78 111.66		
	2	T3 HALF HIP	10.00	20-03-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	186.80 118.66		
	2	T4 HALF HIP	10.00	20-03-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36 119.66		
	2	T5 HALF HIP	10.00	20-03-08	08-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 08-01-04	201.04 126.66		
	10	T6 HALF HIP	10.00	20-03-08	09-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 09-01-04	1149.60 723.30		
	2	T7 HALF HIP	10.00	20-03-08	10-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 10-01-04	242.62 151.66		
	2	T8 MONOPITCH	10.00	10-08-08	10-06-12	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	126.54 81.66		
	2	T9 MONOPITCH	10.00	10-08-08	10-06-12	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	111.48 70.66		
	1	T10A HALF HIP	14.00	09-02-00	02-10-15	2 X 4	2 X 4	01-03-08 00-10-08	01-06-01 02-10-15	54.88 37.00		
	6	T14 MONO TRUSS	4.00	05-01-00	02-03-12	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-00-04	109.86 72.00		
	2	P1 PIGGYBACK	10.00	10-08-07	01-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
	2	P2 PIGGYBACK	10.00	10-08-07	02-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
	2	P3 PIGGYBACK	10.00	10-08-07	03-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
	2	P4 PIGGYBACK	10.00	10-08-07	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
	15	J1 JACK-OPEN	6.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	5	J2 JACK-PARTIAL	4.00	07-09-00	02-10-15	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-10-15	117.10 75.00		

TOTAL # TRUSS= 63.00

TOTAL BFT OF ALL TRUSSES=

2256.29 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3555.45 LBS.

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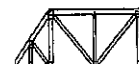
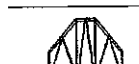
Delivery Shiplist

DATE	02/06/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286823 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: B COR UPG

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
						TOP	BOT					
	1	T1	10.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54		
	2 Ply	HALF HIP	0.00							104.00		
	1	T12	10.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54		
	2 Ply	HALF HIP	0.00							104.00		
	2	T2	10.00	20-03-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78		
		HALF HIP	0.00							111.66		
	2	T3	10.00	20-03-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	190.30		
		HALF HIP	0.00							120.66		
	2	T4	10.00	20-03-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36		
		HALF HIP	0.00							119.66		
	2	T5X	10.00	21-01-08	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	00-11-06 08-01-04	204.12		
		HALF HIP	0.00							129.34		
	6	T6A	10.00	17-05-08	09-01-04	2 X 4	2 X 4	00-00-00 00-00-00	04-00-00 09-01-04	647.34		
		HALF HIP	0.00							411.00		
	10	T6X	10.00	21-01-08	09-01-04	2 X 4	2 X 4	00-00-00 00-00-00	00-11-06 09-01-04	1144.00		
		PIGGYBACK	0.00							716.70		
	1	T7A	10.00	17-05-08	10-01-04	2 X 4	2 X 4	00-00-00 00-00-00	04-00-00 10-01-04	112.27		
		HALF HIP	0.00							70.33		
	2	T7X	10.00	21-01-08	10-01-04	2 X 4	2 X 4	00-00-00 00-00-00	00-11-06 10-01-04	253.78		
		HALF HIP	0.00							158.00		
	1	T11	10.00	10-08-08	03-03-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	46.49		
		HALF HIP	0.00							30.00		
	1	T12	10.00	10-08-08	06-11-04	2 X 4	2 X 4	01-03-08 00-00-00	03-07-11 06-11-04	59.57		
		HALF HIP	0.00							38.67		
	1	T13	10.00	10-08-08	08-07-04	2 X 4	2 X 4	01-03-08 00-00-00	03-07-11 08-07-04	62.99		
		HALF HIP	0.00							40.33		
	6	T14	4.00	05-01-00	02-03-12	2 X 4	2 X 4	01-03-08 00-10-08	00-03-15 02-00-04	109.86		
		JACK-OPEN	0.00							72.00		
	1	T25Z	10.00	20-03-08	07-11-00	2 X 4	2 X 6	00-00-00 00-00-00	01-07-11 07-11-00	275.72		
	2 Ply	HALF HIP	0.00							176.00		
	1	T27A	10.00	17-05-08	08-05-00	2 X 4	2 X 4	00-00-00 00-00-00	04-00-00 08-05-00	91.01		
		HALF HIP	0.00							56.83		
	1	T34	8.00	15-06-00	07-02-03	2 X 4	2 X 6	00-00-00 00-00-00	03-04-13 03-04-13	186.64		
	2 Ply	HIP GIRDER	0.00							120.00		
	2	T35	10.00	04-03-00	04-08-13	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-08-13	64.24		
		HALF HIP	0.00							45.00		

SITE COPY

DATE	02/06/18
SALES REP	Mario



Delivery Shiplist

JOB TRACK: 44755	LAYOUT ID: 286823	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: B COR UPG	

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	2	T36 HALF HIP	10.00 0.00	04-03-00	06-00-13	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 06-00-13	75.62 51.00		
	3	T37 MONOPITCH	10.00 0.00	04-03-00	07-02-03	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 07-02-03	108.48 72.00		
	1 2 Ply	T260X PIGGYBACK	10.00 0.00	21-01-08	09-01-04	2 X 6 2 X 6	00-00-00 00-00-00	00-11-06 09-01-04	333.18 206.66		
	2	P1 PIGGYBACK	10.00 0.00	10-08-07	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
	2	P2 PIGGYBACK	10.00 0.00	10-08-07	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
	2	P3 PIGGYBACK	10.00 0.00	10-08-07	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
	2	P4 PIGGYBACK	10.00 0.00	10-08-07	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
	1 2 Ply	P40 PIGGYBACK	10.00 0.00	10-08-07	04-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-01-04	78.50 49.66		
	15	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	5	J4 JACK-OPEN	10.00 0.00	01-11-08	03-03-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	43.60 30.00		

TOTAL # TRUSS= 84.00 TOTAL BFT OF ALL TRUSSES= 3395.87 BFT. TOTAL WEIGHT OF ALL TRUSSES= 5343.24 LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
8	Hangers	LJS26DS	
7	Hangers	LUS24	

TOTAL # ITEMS= 17.00

SITE COPY



Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286713 D1 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: B

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1 2 Ply	T1 HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	1 2 Ply	T1Z HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	2	T2 HALF HIP	10.00 0.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78 111.66		
	2	T3 HALF HIP	10.00 0.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	186.80 118.66		
	2	T4 HALF HIP	10.00 0.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36 119.66		
	2	T5 HALF HIP	10.00 0.00	20-03-08	08-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 08-01-04	201.04 126.66		
	10	T6 HALF HIP	10.00 0.00	20-03-08	09-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 09-01-04	1149.60 723.30		
	2	T7 HALF HIP	10.00 0.00	20-03-08	10-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 10-01-04	242.62 151.66		
	1	T11 HALF HIP	10.00 0.00	10-08-08	03-03-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	45.67 29.50		
	1	T12 HALF HIP	10.00 0.00	10-08-08	06-11-04	2 X 4 2 X 4	01-03-08 00-00-00	03-07-11 06-11-04	59.57 38.67		
	1	T13 HALF HIP	10.00 0.00	10-08-08	08-07-04	2 X 4 2 X 4	01-03-08 00-00-00	03-07-11 08-07-04	65.53 42.50		
	6	T14 MONO TRUSS	4.00 0.00	05-01-00	02-03-12	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 02-00-04	109.86 72.00		
	2	P1 PIGGYBACK	10.00 0.00	10-08-07	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
	2	P2 PIGGYBACK	10.00 0.00	10-08-07	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
	2	P3 PIGGYBACK	10.00 0.00	10-08-07	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
	2	P4 PIGGYBACK	10.00 0.00	10-08-07	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
	15	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	5	J4 JACK-OPEN	10.00 0.00	01-11-08	03-03-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	43.60 30.00		

OTAL # TRUSS= 61.00

TOTAL BFT OF ALL TRUSSES= 2134.64 BFT TOTAL WEIGHT OF ALL TRUSSES= 3359.82 LBS.

SITE COPY



Delivery Shiplist

DATE	02/06/18
SALES REP	Mario

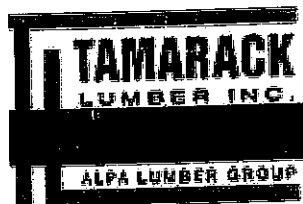
JOB TRACK: 44755 LAYOUT ID: 286825 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: C COR UPG

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1 2 Ply	T15 HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	1 2 Ply	T15Z HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	2	T16 HALF HIP	8.00 0.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	173.92 110.00		
	2	T17 HALF HIP	8.00 0.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	178.26 112.66		
	2	T18 HALF HIP	8.00 0.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 07-01-04	192.54 121.34		
	1	T19A HALF HIP	8.00 0.00	17-05-08	08-01-04	2 X 4 2 X 4	00-00-00 00-00-00	03-03-08 08-01-04	92.68 58.00		
	1	T19X HALF HIP	8.00 0.00	21-01-08	08-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-10-02 08-01-04	101.90 64.17		
	4	T20 HALF HIP	8.00 0.00	20-03-08	09-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 09-01-04	432.28 269.32		
	6	T20A HALF HIP	8.00 0.00	17-05-08	09-01-04	2 X 4 2 X 4	00-00-00 00-00-00	03-03-08 09-01-04	608.40 379.98		
	4	T20X HALF HIP	8.00 0.00	21-01-08	09-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-10-02 09-01-04	453.72 284.00		
	1	T21A HALF HIP	8.00 0.00	17-05-08	10-01-04	2 X 4 2 X 4	00-00-00 00-00-00	03-03-08 10-01-04	103.31 64.83		
	1	T21X HALF HIP	8.00 0.00	21-01-08	10-01-04	2 X 4 2 X 4	00-00-00 00-00-00	00-10-02 10-01-04	109.99 68.83		
	1	T22 HALF HIP	8.00 0.00	10-08-08	05-03-13	2 X 4 2 X 4	00-00-00 00-00-00	01-04-13 05-03-13	47.92 30.00		
	1	T23 HALF HIP	8.00 0.00	10-08-08	06-07-13	2 X 4 2 X 4	00-00-00 00-00-00	01-04-13 06-07-13	53.01 34.33		
	6	T24 JACK-OPEN	4.00 0.00	04-06-00	02-01-07	2 X 4 2 X 4	01-03-08 00-10-08	00-03-15 01-09-15	100.32 67.98		
	1 2 Ply	T29Z HALF HIP	8.00 0.00	20-03-08	07-07-00	2 X 4 2 X 6	00-00-00 00-00-00	01-04-13 07-07-00	267.76 164.66		
	1 2 Ply	T38 HIP GIRDER	8.00 0.00	15-10-00	05-06-13	2 X 4 2 X 6	00-00-00 00-00-00	02-08-13 02-08-13	164.62 103.66		
	2	T39 HALF HIP	8.00 0.00	04-03-00	04-00-13	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 04-00-13	64.72 48.34		

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Delivery Shiplist

DATE	02/06/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286825 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: C COR UPG

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	3	T40 MONOPITCH	8.00 0.00	04-03-00	05-06-13	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-06-13	91.95 62.49		
	2	T40C HALF HIP	8.00 0.00	04-03-00	05-04-13	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-02-10	61.04 41.66		
	1 2 Ply	T300 PIGGYBACK	8.00 0.00	21-01-08	09-01-04	2 X 6 2 X 6	00-00-00 00-00-00	00-10-02 09-01-04	278.42 172.00		
	2	P5 PIGGYBACK	8.00 0.00	07-11-15	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 01-10-08	53.36 34.66		
	2	P6 PIGGYBACK	8.00 0.00	07-11-15	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 02-10-08	56.32 37.34		
	2	P7 PIGGYBACK	8.00 0.00	07-11-15	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 03-10-08	60.28 38.66		
	2	P8 PIGGYBACK	8.00 0.00	07-11-15	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 04-10-08	65.98 43.34		
	1 2 Ply	P70 PIGGYBACK	8.00 0.00	07-11-15	04-03-04	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 04-03-04	67.68 43.66		
	12	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	201.48 128.04		
	3	J1A JACK-OPEN	6.00 0.00	05-05-08	04-01-04	2 X 4 2 X 4	00-00-00 00-00-00	01-04-08 04-01-04	43.14 27.99		
	3	J5 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	53.49 32.01		
	1	J6 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4 2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	14.97 9.33		
	1	J7 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4 2 X 4	01-03-08 -04-01-01	01-04-13 00-03-08	12.23 7.33		
	1	J8 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4 2 X 4	00-00-00 -00-01-01	01-04-13 00-03-08	5.90 4.00		
	1	J9 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4 2 X 4	00-00-00 01-10-15	01-04-13 00-05-03	8.64 5.33		

TOTAL # TRUSS= 81.00

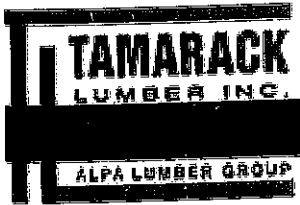
TOTAL BFT OF ALL TRUSSES=

2877.30 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4545.15 LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
10	Hangers	LUS24	
8	Hangers	LJS26DS	

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Delivery Shiplist

DATE	02/06/18
SALES REP	Mario

JOB TRACK: 44755	LAYOUT ID: 286825	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: C COR UPG	

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	

TOTAL # ITEMS= 20.00

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Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

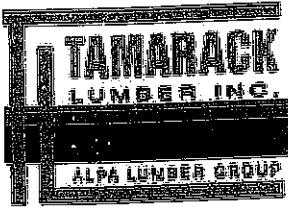
JOB TRACK: 44755	LAYOUT ID: 286716 D1	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: C	

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
						TOP	BOT					
	12	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	201.48 128.04		
	3	J1A JACK-OPEN	6.00 0.00	05-05-08	04-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-04-08 04-01-04	43.14 27.99		
	3	J5 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	53.49 32.01		
	1	J6 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4	2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	14.97 9.33		
	1	J7 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -04-01-01	01-04-13 00-03-08	12.23 7.33		
	1	J8 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	00-00-00 -00-01-01	01-04-13 00-03-08	5.90 4.00		
	1	J9 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	00-00-00 01-10-15	01-04-13 00-05-03	8.64 5.33		
	2	P5 PIGGYBACK	8.00 0.00	07-11-15	01-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 01-10-08	53.38 34.66		
	2	P6 PIGGYBACK	8.00 0.00	07-11-15	02-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 02-10-08	56.34 37.34		
	2	P7 PIGGYBACK	8.00 0.00	07-11-15	03-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 03-10-08	60.28 38.66		
	2	P8 PIGGYBACK	8.00 0.00	07-11-15	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 04-10-08	65.98 43.34		
	1 2 Ply	T15 HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	1 2 Ply	T15Z HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	2	T16 HALF HIP	8.00 0.00	20-03-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	173.92 110.00		
	2	T17 HALF HIP	8.00 0.00	20-03-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	178.26 112.66		
	2	T18 HALF HIP	8.00 0.00	20-03-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-01-04	192.54 121.34		
	2	T19 HALF HIP	8.00 0.00	20-03-08	08-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-01-04	204.10 127.00		
	10	T20 HALF HIP	8.00 0.00	20-03-08	09-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 09-01-04	1080.70 673.30		

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Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK:44755	LAYOUT ID: 286716	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: C	

ROOF TRUSS SPACING:24.0 IN. O.C. (TYP.)

ROOF TRUSSES

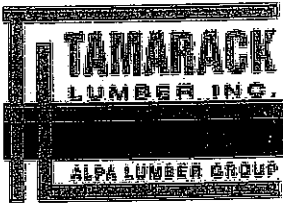
PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	T21 HALF HIP	8.00 0.00	20-03-08	10-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 10-01-04	220.22 138.66		
	1	T22 HALF HIP	8.00 0.00	10-08-08	05-03-13	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 05-03-13	50.12 32.33		
	1	T23 HALF HIP	8.00 0.00	10-08-08	06-07-13	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 06-07-13	53.73 35.17		
	6	T24 MONO TRUSS	4.00 0.00	04-06-00	02-01-07	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 01-09-15	100.32 67.98		

TOTAL # TRUSS= 62.00

TOTAL BFT OF ALL TRUSSES=

1993.83 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3154.66 LBS.

SITE COPY



Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755	LAYOUT ID: 286695	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: A	

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1 2 Ply	T1 HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	1 2 Ply	T1Z HALF HIP	10.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	2	T2 HALF HIP	10.00 0.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78 111.66		
	2	T3 HALF HIP	10.00 0.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	186.80 118.66		
	2	T4 HALF HIP	10.00 0.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36 119.66		
	2	T5 HALF HIP	10.00 0.00	20-03-08	08-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 08-01-04	201.04 126.66		
	10	T6 HALF HIP	10.00 0.00	20-03-08	09-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 09-01-04	1149.60 723.30		
	2	T7 HALF HIP	10.00 0.00	20-03-08	10-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 10-01-04	242.62 151.66		
	2	T8 MONOPITCH	10.00 8.00	10-08-08	10-06-12	2 X 4 2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	126.54 81.66		
	2	T9 MONOPITCH	10.00 0.00	10-08-08	10-06-12	2 X 4 2 X 4	00-00-00 00-00-00	01-07-11 10-06-12	111.48 70.66		
	1	T10A HALF HIP	14.00 0.00	09-02-00	02-10-15	2 X 4 2 X 4	01-03-08 00-10-08	01-06-01 02-10-15	54.88 37.00		
	6	T14 MONO TRUSS	4.00 0.00	05-01-00	02-03-12	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 02-00-04	109.86 72.00		
	2	P1 PIGGYBACK	10.00 0.00	10-08-07	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
	2	P2 PIGGYBACK	10.00 0.00	10-08-07	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
	2	P3 PIGGYBACK	10.00 0.00	10-08-07	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
	2	P4 PIGGYBACK	10.00 0.00	10-08-07	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
	15	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	5	J2 JACK-PARTIAL	4.00 0.00	07-09-00	02-10-15	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 02-10-15	117.10 75.00		

TOTAL # TRUSS= 63.00

TOTAL BFT OF ALL TRUSSES=

2258.29 BFT.

TOTAL WEIGHT OF ALL TRUSSES= 3555.45 LBS.

SITE COPY



Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286713 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: B

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1	T1	10.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	2 Ply	HALF HIP	0.00								
	1	T12	10.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 04-01-04	163.54 104.00		
	2 Ply	HALF HIP	0.00								
	2	T2	10.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 05-01-04	174.78 111.66		
		HALF HIP	0.00								
	2	T3	10.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 06-01-04	186.80 118.66		
		HALF HIP	0.00								
	2	T4	10.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 07-01-04	190.36 119.66		
		HALF HIP	0.00								
	2	T5	10.00	20-03-08	08-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 08-01-04	201.04 126.66		
		HALF HIP	0.00								
	10	T6	10.00	20-03-08	09-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 09-01-04	1149.60 723.30		
		HALF HIP	0.00								
	2	T7	10.00	20-03-08	10-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 10-01-04	242.62 151.66		
		HALF HIP	0.00								
	1	T11	10.00	10-08-08	03-03-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	45.67 29.50		
		HALF HIP	0.00								
	1	T12	10.00	10-08-08	06-11-04	2 X 4 2 X 4	01-03-08 00-00-00	03-07-11 06-11-04	59.57 38.67		
		HALF HIP	0.00								
	1	T13	10.00	10-08-08	08-07-04	2 X 4 2 X 4	01-03-08 00-00-00	03-07-11 08-07-04	65.53 42.50		
		HALF HIP	0.00								
	6	T14	4.00	05-01-00	02-03-12	2 X 4 2 X 4	01-03-08 00-00-00	00-03-15 02-00-04	109.86 72.00		
		MONO TRUSS	0.00								
	2	P1	10.00	10-08-07	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 01-10-08	73.12 48.66		
		PIGGYBACK	0.00								
	2	P2	10.00	10-08-07	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 02-10-08	75.64 49.00		
		PIGGYBACK	0.00								
	2	P3	10.00	10-08-07	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 03-10-08	81.00 52.66		
		PIGGYBACK	0.00								
	2	P4	10.00	10-08-07	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-13 04-10-08	81.70 52.00		
		PIGGYBACK	0.00								
	15	J1	6.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
		JACK-OPEN	0.00								
	5	J4	10.00	01-11-08	03-03-04	2 X 4 2 X 4	01-03-08 00-00-00	01-07-11 03-03-04	43.60 30.00		
		JACK-OPEN	0.00								

TOTAL # TRUSS= 61.00

TOTAL BFT OF ALL TRUSSES=

2134.64 BFT

TOTAL WEIGHT OF ALL TRUSSES= 3359.82 LBS.

SITE COPY



Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

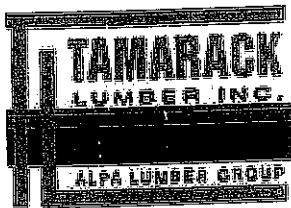
JOB TRACK: 44755 LAYOUT ID: 286716 LOCATION:
 BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
 MODEL: SD25-4 ELEVATION: C

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER TOP BOT	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	12	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	201.48 128.04		
	3	J1A JACK-OPEN	6.00 0.00	05-05-08	04-01-04	2 X 4 2 X 4	00-00-00 00-00-00	01-04-08 04-01-04	43.14 27.99		
	3	J5 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	53.49 32.01		
	1	J6 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4 2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	14.97 9.33		
	1	J7 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4 2 X 4	01-03-08 -04-01-01	01-04-13 00-03-08	12.23 7.33		
	1	J8 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4 2 X 4	00-00-00 -00-01-01	01-04-13 00-03-08	5.90 4.00		
	1	J9 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4 2 X 4	00-00-00 01-10-15	01-04-13 00-05-03	8.64 5.33		
	2	P5 PIGGYBACK	8.00 0.00	07-11-15	01-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 01-10-08	53.38 34.66		
	2	P6 PIGGYBACK	8.00 0.00	07-11-15	02-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 02-10-08	56.34 37.34		
	2	P7 PIGGYBACK	8.00 0.00	07-11-15	03-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 03-10-08	60.28 38.66		
	2	P8 PIGGYBACK	8.00 0.00	07-11-15	04-10-08	2 X 4 2 X 4	00-00-00 00-00-00	00-04-07 04-10-08	65.98 43.34		
	1 2 Ply	T15 HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	1 2 Ply	T15Z HALF HIP	8.00 0.00	20-03-08	04-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 04-01-04	162.46 103.68		
	2	T16 HALF HIP	8.00 0.00	20-03-08	05-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	173.92 110.00		
	2	T17 HALF HIP	8.00 0.00	20-03-08	06-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	178.26 112.66		
	2	T18 HALF HIP	8.00 0.00	20-03-08	07-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 07-01-04	192.54 121.34		
	2	T19 HALF HIP	8.00 0.00	20-03-08	08-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 08-01-04	204.10 127.00		
	10	T20 HALF HIP	8.00 0.00	20-03-08	09-01-04	2 X 4 2 X 4	01-03-08 00-00-00	01-04-13 09-01-04	1080.70 673.30		

SITE COPY



Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755	LAYOUT ID: 286716	LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE	SUB-BUILDER:	
MODEL: SD25-4	ELEVATION: C	

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

ROOF TRUSSES

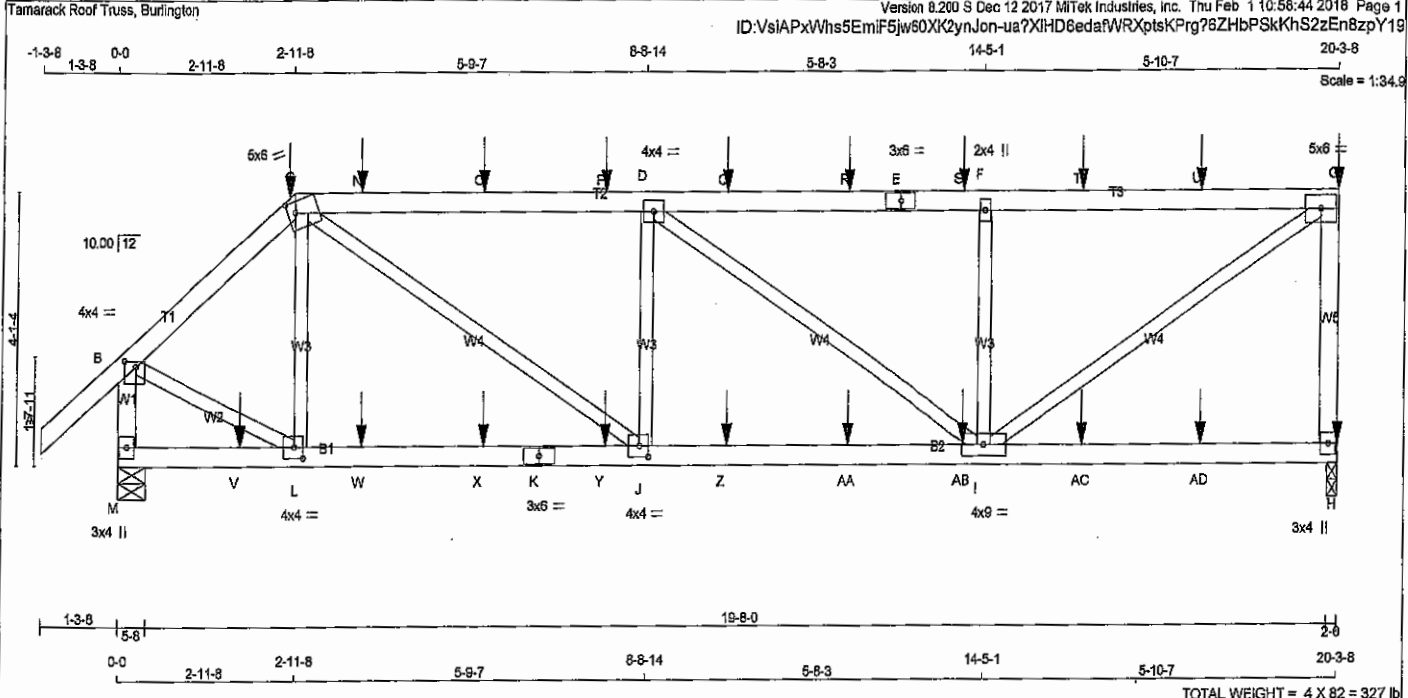
PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
						TOP	BOT					
	2	T21 HALF HIP	8.00 0.00	20-03-08	10-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 10-01-04	220.22 138.66		
	1	T22 HALF HIP	8.00 0.00	10-08-08	05-03-13	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 05-03-13	50.12 32.33		
	1	T23 HALF HIP	8.00 0.00	10-08-08	06-07-13	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 06-07-13	53.73 35.17		
	6	T24 MONO TRUSS	4.00 0.00	04-06-00	02-01-07	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 01-09-15	100.32 67.98		

TOTAL # TRUSS= 62.00

TOTAL BFT OF ALL TRUSSES=

1993.83 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3154.66 LBS.

SITE COPY



LUMBER
N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
M - B	2x4	DRY	No.2
M - K	2x4	DRY	No.2
K - H	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	SIDE(61.0)
C-E	12	SIDE(61.0)
E-G	12	SIDE(61.0)
G-H	12	TOP
M-B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-K	12	SIDE(0.0)
K-H	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	4.0	4.0	1.00 2.25
C	TTWW-m	MT20	5.0	6.0	2.00 1.50
D	TMWW-t	MT20	4.0	4.0	
E	TS-t	MT20	3.0	6.0	
F	TMWV-w	MT20	2.0	4.0	
G	TMWV-l	MT20	5.0	6.0	
H	BMV1+p	MT20	3.0	4.0	
I	BMWVW-t	MT20	4.0	9.0	
J	BMWVW-t	MT20	4.0	4.0	2.00 1.75
K	BS-t	MT20	3.0	6.0	
L	BMWVW-t	MT20	4.0	4.0	2.00 1.75
M	BMV1+p	MT20	3.0	4.0	

HANGERS NOTES
1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	DOWN	UPLIFT	IN-SX
JT	2328	0	0	2-0
M	2327	0	0	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	1869	1123 / 0	385 / 0	0 / 0	0 / 0	360 / 0	0 / 0
M	1840	1152 / 0	349 / 0	0 / 0	0 / 0	339 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.67 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0 / 47	-104.9 -104.9	0.08 (1)	L-C	-433 / 117	0.06 (1)	
B-C	-2069 / 0	-104.9 -104.9	0.10 (1)	B-L	0 / 1721	0.21 (1)	
C-N	-3077 / 0	-104.9 -104.9	0.49 (1)	C-J	0 / 1800	0.22 (1)	
N-O	-3077 / 0	-104.9 -104.9	0.49 (1)	J-D	-721 / 59	0.10 (1)	
O-P	-3077 / 0	-104.9 -104.9	0.49 (1)	D-I	-583 / 0	0.28 (1)	
P-D	-3077 / 0	-104.9 -104.9	0.49 (1)	I-F	-1054 / 0	0.14 (1)	
D-Q	-2593 / 0	-104.9 -104.9	0.47 (1)	I-G	0 / 3092	0.38 (1)	
Q-R	-2593 / 0	-104.9 -104.9	0.47 (1)				
R-E	-2593 / 0	-104.9 -104.9	0.47 (1)				
E-S	-2593 / 0	-104.9 -104.9	0.47 (1)				
S-F	-2593 / 0	-104.9 -104.9	0.47 (1)				
F-T	-2593 / 0	-104.9 -104.9	0.48 (1)				
T-U	-2593 / 0	-104.9 -104.9	0.48 (1)				
U-G	-2593 / 0	-104.9 -104.9	0.46 (1)				
H-G	-2183 / 0	0.0	0.0 0.30 (1)				
M-B	-2307 / 0	0.0	0.0 0.13 (1)				

MEMB.	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
JT	2-11-8	-16	-18	-	FRONT	VERT	DEAD
C	2-11-8	-208	-209	-	FRONT	VERT	SNOW
G	2-11-8	-187	-161	-	BACK	VERT	TOTAL
H	2-11-8	-51	-89	-	BACK	VERT	TOTAL
N	4-0-12	-128	-128	-	BACK	VERT	TOTAL
O	4-0-12	-126	-126	-	BACK	VERT	TOTAL

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-16	-18	-	FRONT	VERT	DEAD
C	2-11-8	-208	-209	-	FRONT	VERT	SNOW
G	2-11-8	-187	-161	-	BACK	VERT	TOTAL
H	2-11-8	-51	-89	-	BACK	VERT	TOTAL
N	4-0-12	-128	-128	-	BACK	VERT	TOTAL
O	4-0-12	-126	-126	-	BACK	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.49/1.00 (C-D:1), BC=0.39/1.00 (I-J:2), WB=0.38/1.00 (G-I:1), SSI=0.28/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354 1667 822 2284 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.80)
JSI METAL= 0.32 (3) (INPUT = 1.00)

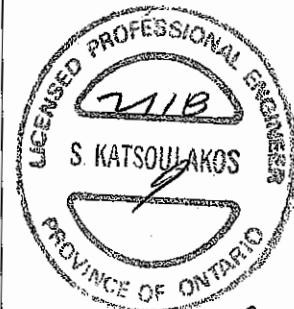
DRWG NO. TAM 7331-18
STRUCTURAL
COMPONENT ONLY

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 224.8 lbs FACTORED DOWN AT 2-11-8, 126.3 lbs FACTORED DOWN AT 4-0-12, 126.3 lbs FACTORED DOWN AT 6-0-12, 126.3 lbs FACTORED DOWN AT 8-0-12, 126.3 lbs FACTORED DOWN AT 10-0-12, 126.3 lbs FACTORED DOWN AT 12-0-12, 126.3 lbs FACTORED DOWN AT 14-0-12, 126.3 lbs FACTORED DOWN AT 16-0-12, AND 126.3 lbs FACTORED DOWN AT 18-0-12, AND 166.7 lbs FACTORED DOWN AT 20-3-8 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, 69.9 lbs FACTORED DOWN AT 14-0-12, 69.9 lbs FACTORED DOWN AT 16-0-12, AND 69.9 lbs FACTORED DOWN AT 18-0-12, AND 69.9 lbs FACTORED DOWN AT 20-3-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

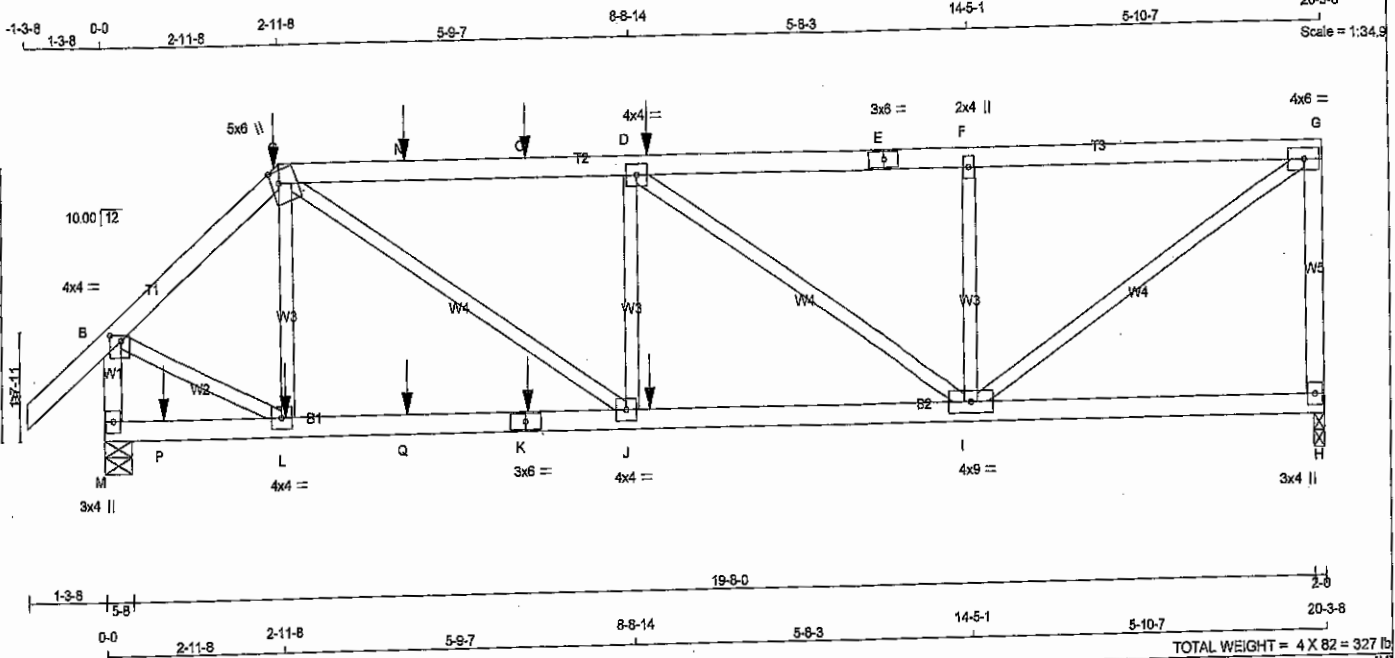
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
P	8-0-12	-126	-126	---	BACK	VERT	TOTAL
Q	10-0-12	-126	-126	---	BACK	VERT	TOTAL
R	12-0-12	-126	-126	---	BACK	VERT	TOTAL
S	14-0-12	-126	-126	---	BACK	VERT	TOTAL
T	16-0-12	-126	-126	---	BACK	VERT	TOTAL
U	18-0-12	-126	-126	---	BACK	VERT	TOTAL
V	2-0-12	-40	-70	---	BACK	VERT	TOTAL
W	4-0-12	-40	-70	---	BACK	VERT	TOTAL
X	6-0-12	-40	-70	---	BACK	VERT	TOTAL
Y	8-0-12	-40	-70	---	BACK	VERT	TOTAL
Z	10-0-12	-40	-70	---	BACK	VERT	TOTAL
AA	12-0-12	-40	-70	---	BACK	VERT	TOTAL
AB	14-0-12	-40	-70	---	BACK	VERT	TOTAL
AC	16-0-12	-40	-70	---	BACK	VERT	TOTAL
AD	18-0-12	-40	-70	---	BACK	VERT	TOTAL



SITE COPY

DWG NO. TAM 7331-18
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington



TOTAL WEIGHT = 4 X 82 = 327 LB

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
E - G	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
M - B	2x4	DRY	No.2	SPF	
M - K	2x4	DRY	No.2	SPF	
K - H	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 1	12	SIDE(61.0)
C-E 1	12	SIDE(61.0)
E-G 1	12	TOP
G-H 1	12	TOP
M-B 1	12	TOP

BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS	LOAD(PLF)
M-K 1	SIDE(61.0)
K-H 1	SIDE(61.0)

WEBS : (0.122"x3") SPIRAL NAILS	LOAD(PLF)
2x3 1	6

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMVW-p MT20	4.0	4.0	1.00	2.25
C TTWWH-m MT20	5.0	6.0	2.25	1.50
D TMWW-l MT20	4.0	4.0		
E TS-l MT20	3.0	6.0		
F TMW-w MT20	2.0	4.0		
G TMVW-l MT20	4.0	6.0		
H BMV-l+p MT20	3.0	4.0		
J BMWW-l MT20	4.0	6.0		
K BMWW-l MT20	4.0	4.0		
L BMWW-l MT20	3.0	6.0		
M BMV-l+p MT20	3.0	4.0		

HANGERS NOTES
1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HORZ	GROSS REACTION	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
H	1585	0	1585	0	0	0	2-0	2-0	2-0
M	2236	0	2236	0	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	JT	COMBINED	SNOW	LIVE
H	1283	775/0	250/0	0/0	0/0	239/0	0/0	H	1283	775/0	250/0
M	1762	1115/0	326/0	0/0	0/0	321/0	0/0	M	1762	1115/0	326/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING		TOTAL LOAD CASES: (4)		CHORDS		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS (LC)	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS (LC)	MEMB.	FORCE (LBS)
FR-TO				FR-TO				FR-TO	
A-B	0/47	-104.9	-104.9	0.08 (1)	10.00	L-C	-368/167	0.05 (1)	
B-C	-1960/0	-104.9	-104.9	0.10 (1)	6.18	B-L	0/1631	0.20 (1)	
C-N	-2316/0	-104.9	-104.9	0.43 (1)	5.08	C-J	0/1946	0.17 (1)	
N-O	-2616/0	-104.9	-104.9	0.43 (1)	5.08	J-D	-502/121	0.07 (1)	
O-D	-2616/0	-104.9	-104.9	0.43 (1)	5.08	D-I	-814/0	0.38 (1)	
D-E	-1940/0	-104.9	-104.9	0.38 (1)	5.77	I-F	-632/0	0.09 (1)	
E-F	-1940/0	-104.9	-104.9	0.38 (1)	5.77	I-G	0/2313	0.29 (1)	
F-G	-1940/0	-104.9	-104.9	0.27 (1)	5.96				
G-H	-1516/0	0.0	0.0	0.21 (1)	7.81				
H-B	-2202/0	0.0	0.0	0.13 (1)	7.81				
M-P	0/0	-28.0	-28.0	0.14 (2)	10.00				
P-L	0/0	-28.0	-28.0	0.14 (2)	10.00				
L-Q	0/1490	-28.0	-28.0	0.23 (2)	10.00				
Q-K	0/1490	-28.0	-28.0	0.23 (2)	10.00				
K-J	0/1490	-28.0	-28.0	0.23 (2)	10.00				
J-I	0/2616	-28.0	-28.0	0.29 (1)	10.00				
I-H	0/0	-28.0	-28.0	0.12 (3)	10.00				

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR		TYPE	
JT	LOC.	LC1	MAX-	MAX+	FRONT	VERT	DEAD
C	2-11-8	-16	-18	-	BACK	VERT	TOTAL
C	2-11-8	-175	-175	-	FRONT	VERT	TOTAL
C	2-11-8	-209	-209	-	BACK	VERT	TOTAL
D	9-0-4	-126	-126	-	BACK	VERT	TOTAL
J	9-0-4	-40	-70	-	BACK	VERT	TOTAL
K	7-0-4	-40	-70	-	BACK	VERT	TOTAL
L	3-0-4	-40	-70	-	BACK	VERT	TOTAL
N	5-0-4	-126	-126	-	BACK	VERT	TOTAL
O	7-0-4	-126	-126	-	BACK	VERT	TOTAL
P	1-0-4	-40	-70	-	BACK	VERT	TOTAL
Q	5-0-4	-40	-70	-	BACK	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.43/1.00 (C-D:1), BC=0.29/1.00 (I-J:1),
WB=0.36/1.00 (D-I:1), SS=0.22/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (C) (INPUT = 0.90)
JSI METAL= 0.28 (K) (INPUT = 1.00)

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DRWG NO. TAM 7332-18
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

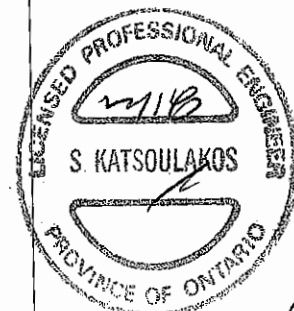
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Version 8.200 5 Dec 12 2017 MITek Industries, Inc. Thu Feb 1 10:58:44 2018 Page 2
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Tamarack Roof Truss, Burlington

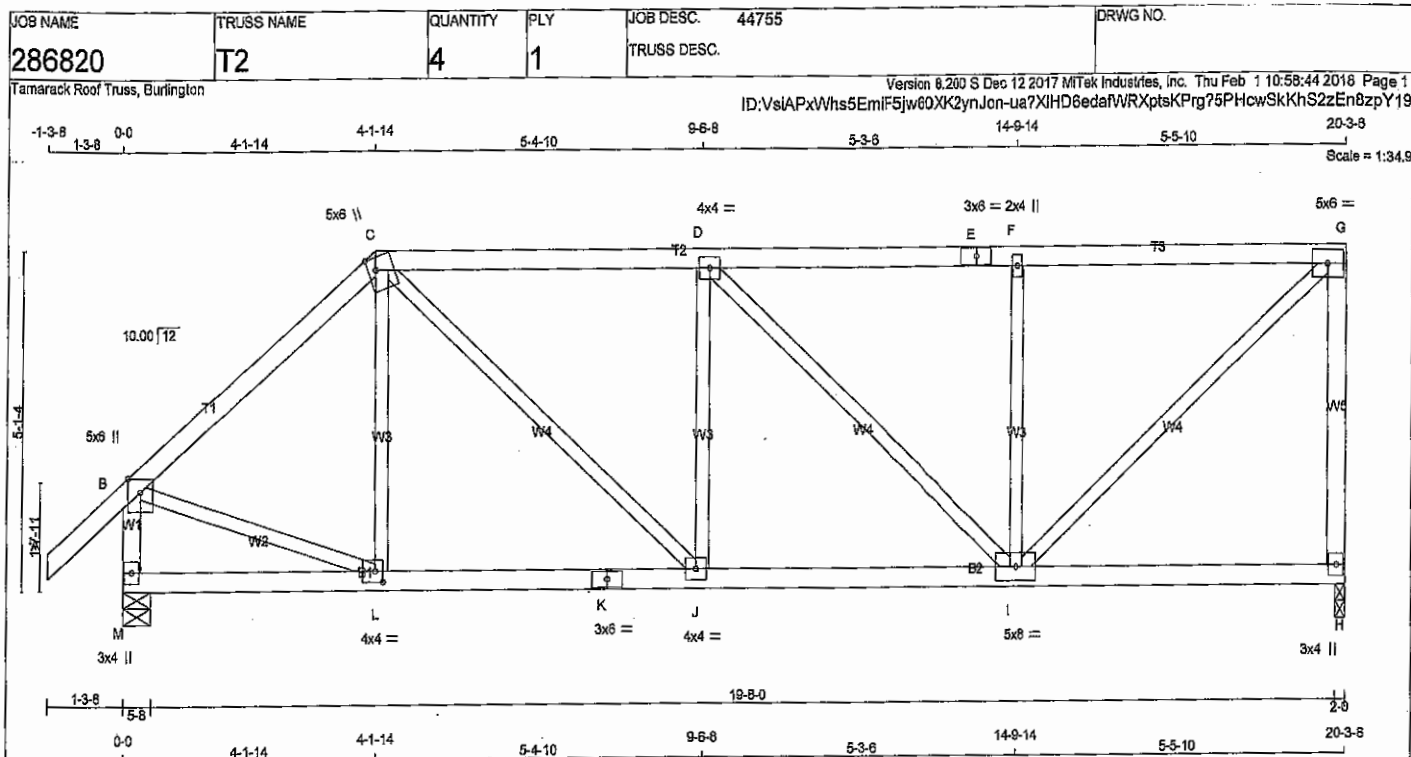
HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 224.8 lbs FACTORED DOWN AT 2-11-8, 175.4 lbs FACTORED DOWN AT 2-11-8, 126.3 lbs FACTORED DOWN AT 5-0-4, AND 126.3 lbs FACTORED DOWN AT 7-0-4, AND 126.3 lbs FACTORED DOWN AT 9-0-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-0-4, 69.9 lbs FACTORED DOWN AT 3-0-4, 69.9 lbs FACTORED DOWN AT 5-0-4, AND 69.9 lbs FACTORED DOWN AT 7-0-4, AND 69.9 lbs FACTORED DOWN AT 9-0-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



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DWG NO. TAM 7332-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWW-l	MT20	4.0	4.0		
E	TS-l	MT20	3.0	6.0		
F	TMVW+w	MT20	2.0	4.0		
G	TMVW-l	MT20	5.0	6.0		
H	BMVl+p	MT20	3.0	4.0		
I	BMVWW-l	MT20	5.0	8.0		
J	BMVWW-l	MT20	4.0	4.0		
K	BS-l	MT20	3.0	6.0		
L	BMVWW-l	MT20	4.0	4.0	2.00	1.50
M	BMVl+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
H	1349	0	1349	0	2-0	5-8
M	1494	0	1494	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS					SOIL
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	
H	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
M	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LC1 (LC)	MEMB.
FR-TO		FROM TO		FR-TO			
A-B	0 / 47	-104.9 -104.9	0.14 (1)	L-C	-140 / 134	0.05 (1)	
B-C	-1238 / 0	-104.9 -104.9	0.35 (1)	B-L	0 / 892	0.22 (1)	
C-D	-1487 / 0	-104.9 -104.9	0.46 (1)	C-J	0 / 725	0.16 (1)	
D-E	-1196 / 0	-104.9 -104.9	0.45 (1)	J-D	-341 / 85	0.13 (1)	
E-F	-1196 / 0	-104.9 -104.9	0.45 (1)	D-I	-394 / 0	0.38 (1)	
F-G	-1196 / 0	-104.9 -104.9	0.45 (1)	I-F	-819 / 0	0.24 (1)	
G-H	-1288 / 0	0.0	0.57 (1)	I-G	0 / 1593	0.36 (1)	
H-B	-1449 / 0	0.0	0.0 0.15 (1)				
M-L	0 / 0	-28.0 -28.0	0.15 (3)				
L-K	0 / 945	-28.0 -28.0	0.26 (2)				
K-J	0 / 945	-28.0 -28.0	0.26 (2)				
J-I	0 / 1487	-28.0 -28.0	0.35 (2)				
I-H	0 / 0	-28.0 -28.0	0.20 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 066-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.57/1.00 (G-H-1), BC=0.35/1.00 (I-J-2), WB=0.38/1.00 (D-I-1), SS=0.27/1.00 (F-G-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

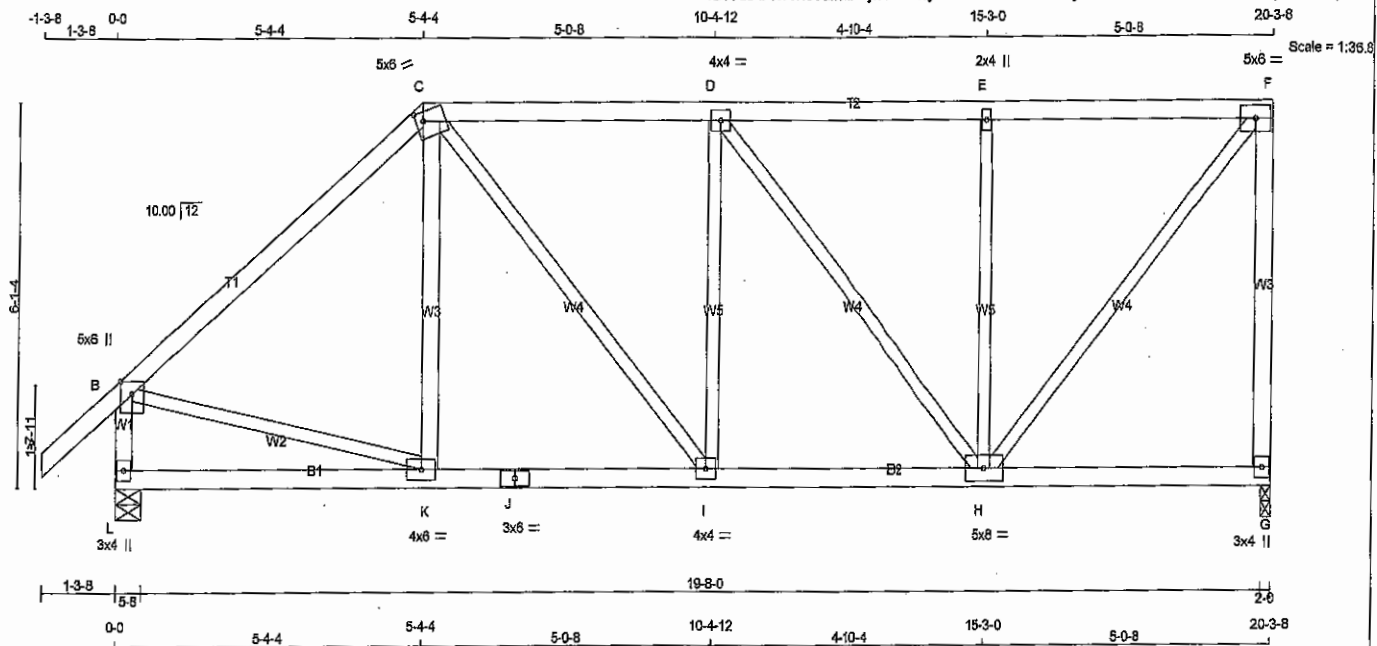
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (L) (INPUT = 0.80)
JSI METAL= 0.35 (L) (INPUT = 1.00)



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DWG NO. TAM 7333 -18
STRUCTURAL
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TOTAL WEIGHT = 4 X 95 = 381 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - G	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
K - C	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	1.75	1.50
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	5.0	6.0		
I	BMVWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMVWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT	REQD
	VERT	DOWN	BRG	BRG
JT	1349	0	0	0
G	1494	0	0	0
L	1494	0	0	0

UNFACTORED REACTIONS

	1ST LCASE	MAX	MIN	COMPONENT REACTIONS
	JT	COMBINED	SNOW	LIVE
G	1075	859 / 0	213 / 0	0 / 0
L	1173	749 / 0	213 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.95 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	K-C	-53 / 188
B-C	-1220 / 0	-104.9	-104.9	0.61 (1)	4.95	B-K	0 / 981
C-D	-1226 / 0	-104.9	-104.9	0.39 (1)	5.29	C-I	0 / 445
D-E	-932 / 0	-104.9	-104.9	0.37 (1)	5.88	I-D	-213 / 102
E-F	-932 / 0	-104.9	-104.9	0.36 (1)	5.90	D-H	-459 / 0
G-F	-1291 / 0	0.0	0.0	0.93 (1)	7.10	H-E	-567 / 0
L-B	-1432 / 0	0.0	0.0	0.15 (1)	6.82	H-F	0 / 1423
L-K	0 / 0	-28.0	-28.0	0.20 (3)	10.00		
K-J	0 / 934	-28.0	-28.0	0.30 (2)	10.00		
J-I	0 / 934	-28.0	-28.0	0.30 (2)	10.00		
I-H	0 / 1226	-28.0	-28.0	0.30 (2)	10.00		
H-G	0 / 0	-28.0	-28.0	0.17 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
DL = 3.0	PSF	
BOT CH.	LL = 10.5	PSF
DL = 7.0	PSF	
TOTAL LOAD = 53.0	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.93/1.00 (F-G:1), BC=0.30/1.00 (I-K:2), WB=0.52/1.00 (D-H:1), SS=0.25/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

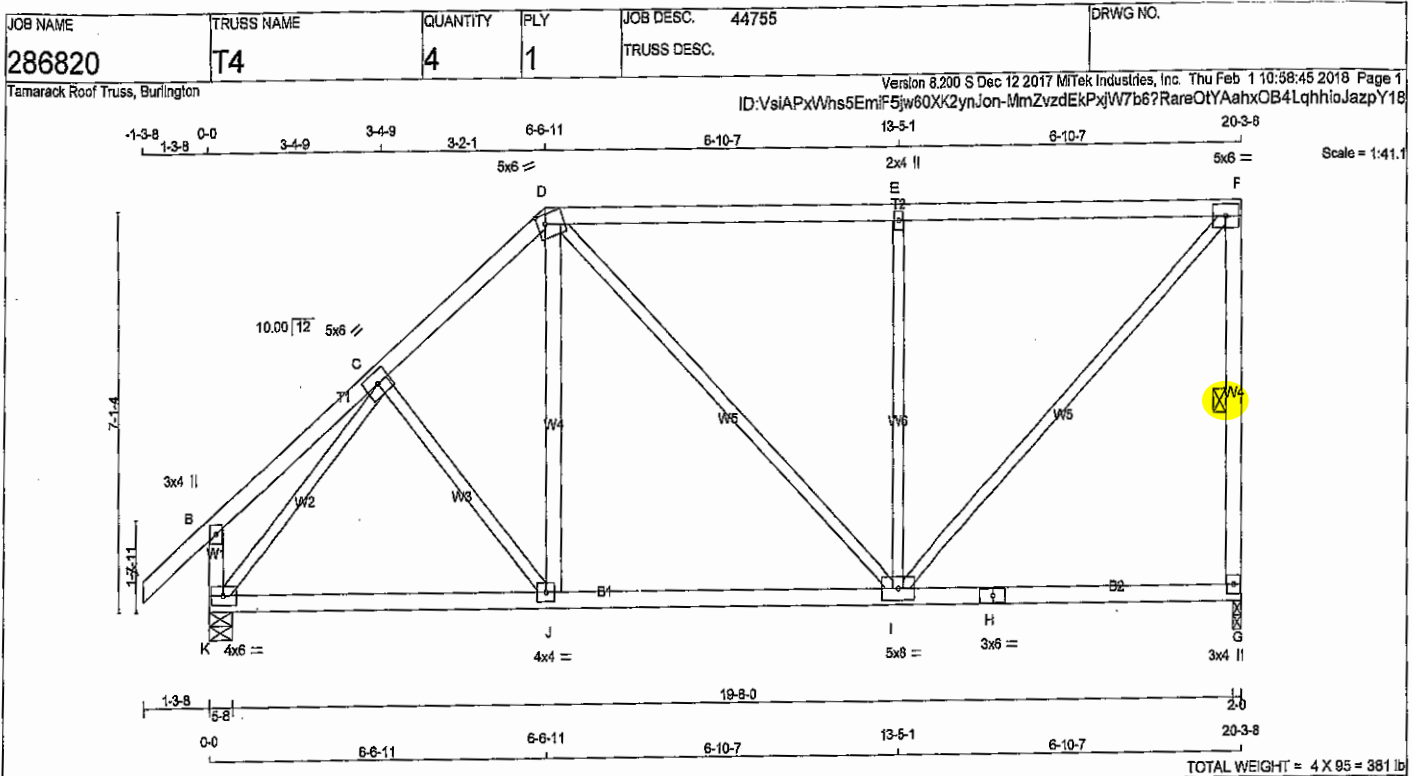
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.80 (H) (INPUT = 0.90)
SI METAL= 0.28 (H) (INPUT = 1.00)



DWG NO. TAM 7334-18
STRUCTURAL
COMPONENT ONLY

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
K - B	2x4	DRY	No.2	SPF	
K - H	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
J - D	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0			
C	TMVW-t	MT20	5.0	6.0			
D	TTVW-m	MT20	5.0	6.0	2.00	1.75	
E	TMVW-w	MT20	2.0	4.0			
F	TMVW-t	MT20	5.0	6.0			
G	BMV1+p	MT20	3.0	4.0			
H	BS-t	MT20	3.0	6.0			
I	BMVWV-t	MT20	5.0	6.0			
J	BMVW-t	MT20	4.0	4.0			
K	BMVW-t	MT20	4.0	6.0			

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
G	1349	0	1349	0
K	1484	0	1484	0

UNFACTORED REACTIONS	1ST LOASE	MAX / MIN	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
G	1075	659 / 0	213 / 0
K	1173	749 / 0	213 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, K

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX
		(LBS)	(PLF)							(LBS)	(PLF)		
FR-TO			FROM	TO			LENGTH	FR-TO			FROM	TO	
A-B	0 / 47	-104.9	-104.9	0.14	(1)	10.00	C-J	-42 / 85	0.02	(3)			
B-C	0 / 24	-104.9	-104.9	0.17	(1)	10.00	J-D	0 / 317	0.05	(2)			
C-D	-1194 / 0	-104.9	-104.9	0.19	(1)	5.63	D-I	0 / 147	0.03	(1)			
D-E	-1006 / 0	-104.9	-104.9	0.92	(1)	4.20	I-E	-894 / 0	0.78	(1)			
E-F	-1006 / 0	-104.9	-104.9	0.92	(1)	4.20	I-F	0 / 1417	0.32	(1)			
F-G	-1270 / 0	0.0	0.0	0.29	(1)	5.71	K-C	-1467 / 0	0.83	(1)			
G-B	-276 / 0	0.0	0.0	0.03	(1)	7.81							
K-J	0 / 823	-28.0	-28.0	0.39	(2)	10.00							
J-I	0 / 801	-28.0	-28.0	0.40	(2)	10.00							
I-H	0 / 0	-28.0	-28.0	0.31	(3)	10.00							
H-G	0 / 0	-28.0	-28.0	0.31	(3)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.88")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.09")
ALLOWABLE DEFL.(TL) = $L/360$ (0.88")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.15")

CSI: TC=0.92/1.00 (E-F:1), BC=0.40/1.00 (I-J:2), WB=0.78/1.00 (E-I:1), SSI=0.35/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 622 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

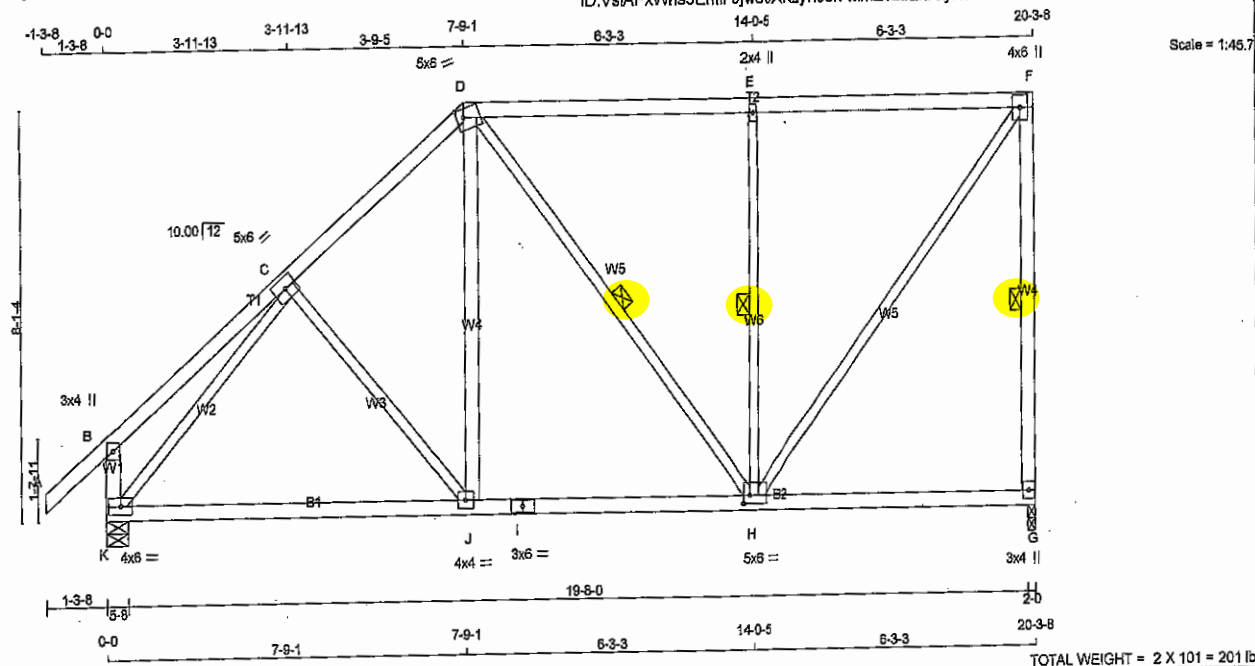
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.36 (C) (INPUT = 1.00)



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DWG NO. TAM 2335 -18
STRUCTURAL
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LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR
A - D	2x4	DRY No.2	SPF
D - F	2x4	DRY No.2	SPF
G - F	2x4	DRY No.2	SPF
K - B	2x4	DRY No.2	SPF
K - I	2x4	DRY No.2	SPF
I - G	2x4	DRY No.2	SPF

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
1 x D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
C	TMVW-t	MT20	5.0	6.0	
D	TTVW-m	MT20	5.0	6.0	2.00 1.75
E	TMV+w	MT20	2.0	4.0	
F	TMVW+p	MT20	4.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMVWVW-t	MT20	5.0	6.0	2.00 1.50
I	BS-t	MT20	3.0	6.0	
J	BMVW-t	MT20	4.0	4.0	
K	BMVW-t	MT20	4.0	6.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BUILDING BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
K	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

UNFACTURED REACTIONS		MAX./MIN. COMPONENT REACTIONS					
1ST LCASE	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT							
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
K	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, K

BRACING

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.26 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY
APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MAX. FACTORED		FACTORED			MAX. FACTORED				
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	CS1 (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM TO			LENGTH	FR-TO			
A-B	0/47	-104.9	-104.9	0.14 (1)	10.00	C-J	-143/82	0.09	(1)
B-C	0/30	-104.9	-104.9	0.25 (1)	10.00	J-D	0/394	0.08	(2)
C-D	-1133/0	-104.9	-104.9	0.28 (1)	5.62	D-H	-77/0	0.05	(2)
D-E	-823/0	-104.9	-104.9	0.74 (1)	5.25	H-E	-815/0	0.34	(1)
E-F	-823/0	-104.9	-104.9	0.74 (1)	5.28	H-F	0/1315	0.30	(1)
G-F	-1275/0	0.0	0.0	0.38 (1)	5.71	K-C	-1449/0	0.86	(1)
K-B	-300/0	0.0	0.0	0.03 (1)	7.81				
K-J	0/941	-28.0	-28.0	0.47 (2)	10.00				
J-I	0/851	-28.0	-28.0	0.47 (2)	10.00				
I-H	0/851	-28.0	-28.0	0.47 (2)	10.00				
H-G	0/0	-28.0	-28.0	0.23 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

SPECIFIED LOADS:			
TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD =		53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A
SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL
OR SMALL BUILDING REQUIREMENTS OF
PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= $L/360$ (0.68")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.18")
ALLOWABLE DEFL.(TL)= $L/360$ (0.68")
CALCULATED VERT. DEFL.(TL) = $L/936$ (0.26")

CSI: TC=0.74/1.00 (E-F:1), BC=0.47/1.00 (H-J:2),
WB=0.86/1.00 (C-K:1), SSI=0.32/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAİL VALUES

	GRIP (DRY)		SHEAR		SECTION	
	(PSI)	(PLI)	(PSI)	(PLI)	(PSI)	(PLI)
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (H) (INPUT = 0.90)
JSI METAL= 0.43 (I) (INPUT = 1.00)

DWG NO. TAM 7336 -18
STRUCTURAL
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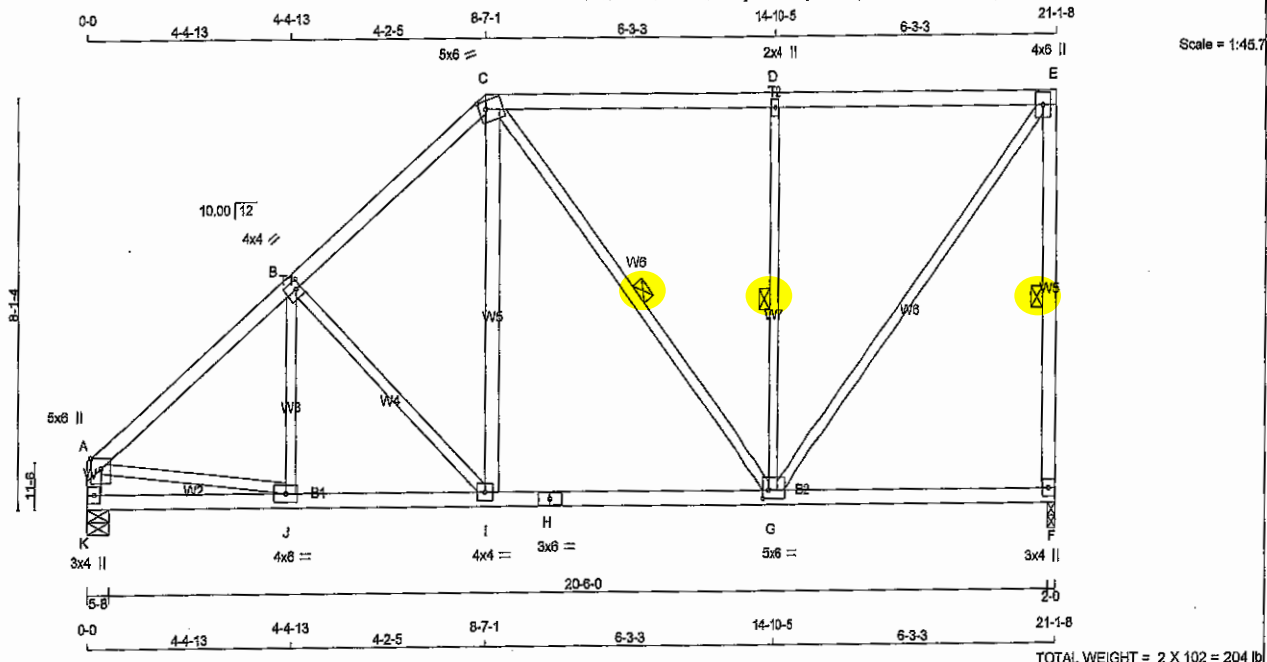


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Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:58:46 2018 Page 1

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LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT	I - C	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TMWW-i	MT20	4.0	4.0	2.00	1.25
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMVW-w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-i	MT20	5.0	8.0	2.00	1.50
H	BS-i	MT20	3.0	6.0		
I	BMVW-i	MT20	4.0	4.0		
J	BMVW-i	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	REGRD
F	1404	0	1404	0	0	2-0	2-0
K	1404	0	1404	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1119	686 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0
K	1119	686 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, K

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1536 / 0	-104.9 -104.9	0.36 (1)	J-B	-43 / 158	0.04 (3)	
B-C	-1235 / 0	-104.9 -104.9	0.36 (1)	B-I	-401 / 0	0.26 (1)	
C-D	-870 / 0	-104.9 -104.9	0.74 (1)	I-C	0 / 426	0.07 (1)	
D-E	-870 / 0	-104.9 -104.9	0.74 (1)	C-G	-92 / 0	0.06 (1)	
F-E	-1334 / 0	0.0	0.40 (1)	G-D	-815 / 0	0.34 (1)	
K-A	-1350 / 0	0.0	0.14 (1)	D-E	0 / 1391	0.31 (1)	
K-J	0 / 0	-28.0	-28.0	A-J	0 / 1217	0.27 (1)	
J-I	0 / 1205	-28.0	-28.0				
I-H	0 / 928	-28.0	-28.0				
H-G	0 / 928	-28.0	-28.0				
G-F	0 / 0	-28.0	-28.0				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA C86-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CS1: TC=0.74/1.00 (D-E:1), BC=0.38/1.00 (G-I:2), WB=0.34/1.00 (D-G:1), SS=0.32/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1667
	922	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

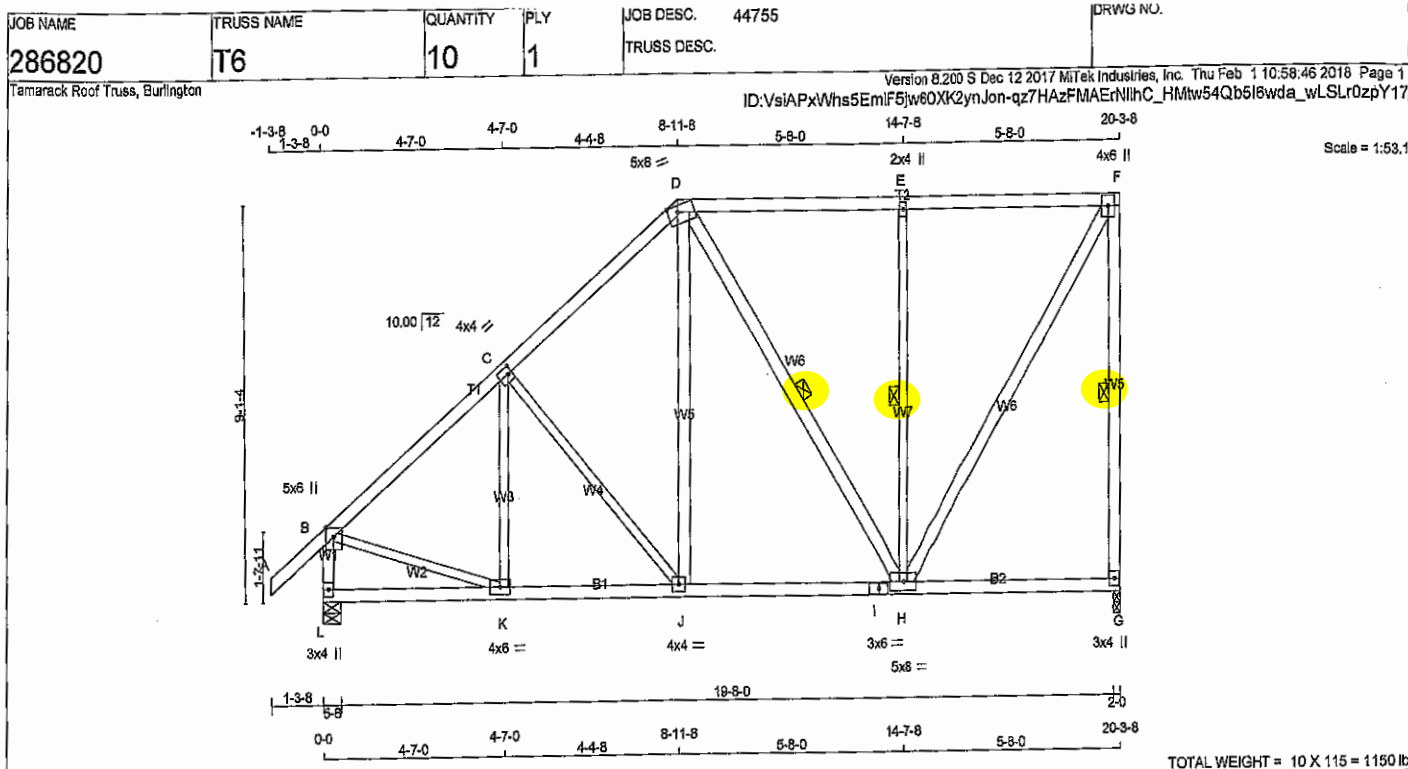
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (A) (INPUT = 0.80)
JSI METAL= 0.30 (J) (INPUT = 1.00)



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DRWG NO. TAM 7337 -18
STRUCTURAL
COMPONENT ONLY



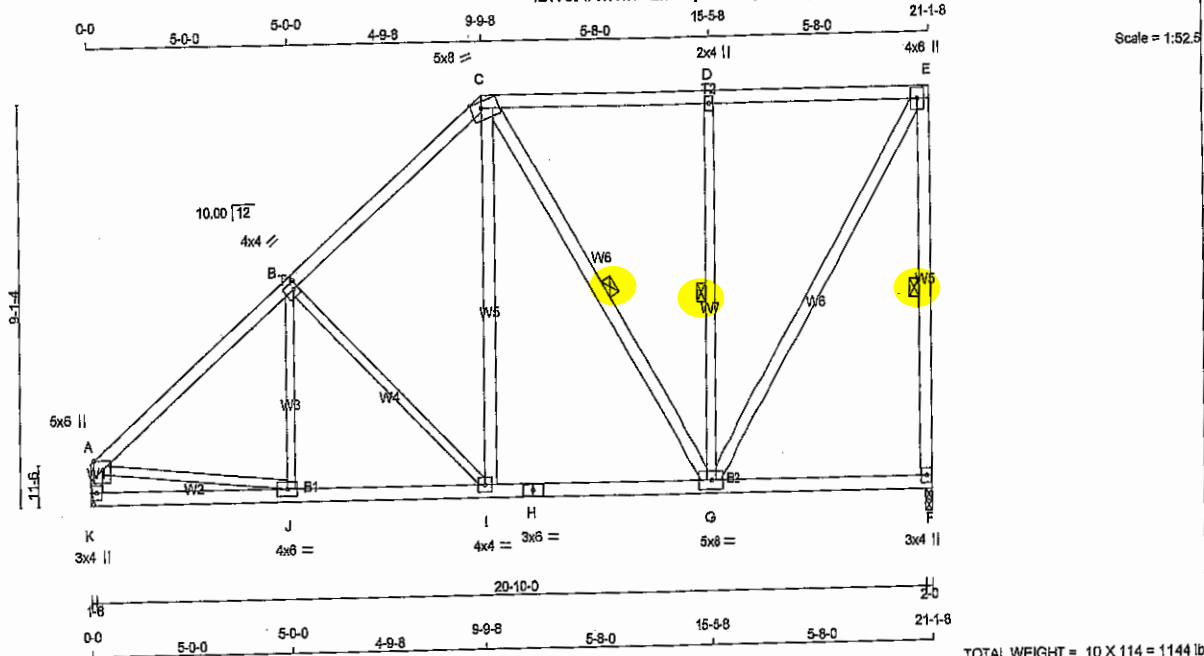
LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - D 2x4 DRY No.2 SPF D - F 2x4 DRY No.2 SPF G - F 2x4 DRY No.2 SPF L - B 2x4 DRY No.2 SPF L - I 2x4 DRY No.2 SPF I - G 2x4 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT J - D 2x4 DRY No.2 SPF D - H 2x4 DRY No.2 SPF H - F 2x4 DRY No.2 SPF DRY: SEASONED LUMBER.				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 32.5 PSF DL = 3.0 PSF BOT CH. LL = 10.5 PSF DL = 7.0 PSF TOTAL LOAD = 53.0 PSF SPACING = 24.0 IN. GIC LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12 THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010 THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 086-09 - TPIC 2011 (55% OF 43.9 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL) = L/360 (0.68") CALCULATED VERT. DEFL.(LL) = L/999 (0.04") ALLOWABLE DEFL.(TL) = L/360 (0.68") CALCULATED VERT. DEFL.(TL) = L/999 (0.07") CSI: TC=0.59/1.00 (E-F:1), BC=0.31/1.00 (H-J:2), WB=0.40/1.00 (E-H:1), SS=0.29/1.00 (E-F:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 COMPANION LIVE LOAD FACTOR = 0.50 TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (Psi) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 822 2284 1658 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.70 (F) (INPUT = 0.90) JSI METAL= 0.31 (I) (INPUT = 1.00)			
PLATES (table is in inches) JT TYPE PLATES W LEN Y X B TMVW+p MT20 5.0 6.0 Edge C TMVW-i MT20 4.0 4.0 2.00 1.25 D TTWW-m MT20 5.0 8.0 Edge 3.00 E TMVW+w MT20 2.0 4.0 F TMVW+p MT20 4.0 6.0 G BMV1+p MT20 3.0 4.0 H BMVWW-i MT20 5.0 8.0 I BS-i MT20 3.0 8.0 J BMVW-i MT20 4.0 4.0 K BMVW-i MT20 4.0 6.0 L BMV1+p MT20 3.0 4.0 Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.				LOADING TOTAL LOAD CASES: (4) CHORDS MEMB. MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD LC1 MAX (PLF) MAX. CSI (LC) UNBRAC LENGTH FR-TO FR-TO A-B 0/47 -104.9 -104.9 0.14 (1) 10.00 K-C -145/128 0.08 (1) B-C -1257/0 -104.9 -104.9 0.40 (1) 5.23 C-J -339/0 0.29 (1) C-D -1040/0 -104.9 -104.9 0.38 (1) 5.84 J-D 0/392 0.08 (2) D-E -681/0 -104.9 -104.9 0.58 (1) 6.09 D-H -172/0 0.10 (1) E-F -682/0 -104.9 -104.9 0.59 (1) 6.09 H-E -738/0 0.40 (1) G-F -1285/0 0.0 0.0 0.50 (1) 5.69 H-F 0/1260 0.20 (1) L-B -1440/0 0.0 0.0 0.15 (1) 6.81 B-K 0/1032 0.23 (1) L-K 0/0 -28.0 -28.0 0.13 (3) 10.00 K-J 0/993 -28.0 -28.0 0.24 (2) 10.00 J-I 0/775 -28.0 -28.0 0.31 (2) 10.00 I-H 0/775 -28.0 -28.0 0.31 (2) 10.00 H-G 0/0 -28.0 -28.0 0.23 (3) 10.00			
BEARINGS FACTORED GROSS REACTION MAXIMUM FACTORED GROSS REACTION INPUT REGRD JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX G 1349 0 1349 0 0 2-0 2-0 L 1494 0 1494 0 0 5-8 5-8				UNFACTORED REACTIONS 1ST LCASE MAX/MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERMLIVE WIND DEAD SOIL G 1075 859/0 213/0 0/0 0/0 203/0 0/0 L 1173 749/0 213/0 0/0 0/0 211/0 0/0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.23 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED. 1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW			

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DWG NO. TAM 733B-18
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington



LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	SPF	
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
K - A	2x4	DRY	No.2	SPF	
K - H	2x4	DRY	No.2	SPF	
H - F	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
I - C	2x4	DRY	No.2	SPF	
C - G	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW+p	MT20	5.0	6.0	Edge
B	TMVW-i	MT20	4.0	4.0	2.00 1.25
C	TTWW-m	MT20	5.0	8.0	Edge 3.00
D	TMVW-w	MT20	2.0	4.0	
E	TMVW+p	MT20	4.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW-i	MT20	5.0	8.0	
H	BS-i	MT20	3.0	6.0	
I	BMVW-i	MT20	4.0	4.0	
J	BMVW-i	MT20	4.0	6.0	
K	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
		GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT	IN-SX
F	1404	0	1404	0	2-0
K	1404	0	1404	0	2-0

HANGER BY OTHERS
MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	1119	666 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0
K	1119	666 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	-1519 / 0	J-B	0 / 211
B-C	-1134 / 0	B-I	-499 / 0
C-D	-717 / 0	I-C	0 / 487
D-E	-717 / 0	C-G	-239 / 0
E-F	-1340 / 0	G-D	-736 / 0
K-A	-1346 / 0	G-E	0 / 1326
		A-J	0 / 1208
K-J	0 / 0		
J-I	0 / 1197		
I-H	0 / 846		
H-G	0 / 846		
G-F	0 / 0		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN/CI

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.99/1.00 (D-E:1), BC=0.31/1.00 (G-I:2),
WB=0.44/1.00 (B-I:1), SSI=0.29/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

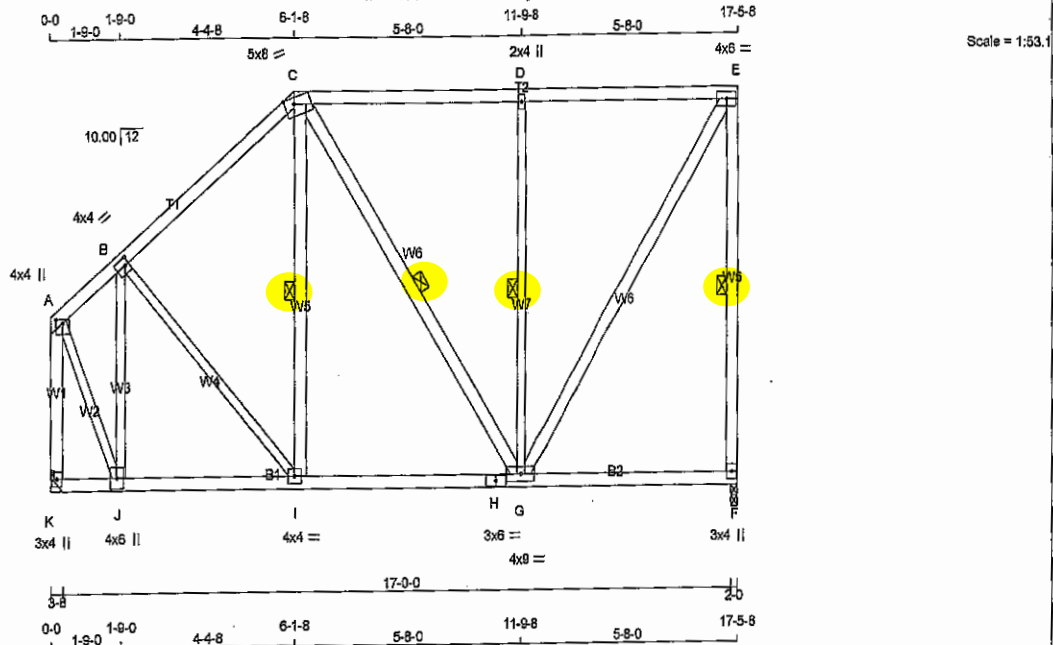
JSI GRIP= 0.90 (A) (INPUT = 0.90)
JSI METAL= 0.30 (J) (INPUT = 1.00)



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DRWG NO. TAM 7339-18
ST. CATHARINE
COLL. ONLY

Tamarack Roof Truss, Burlington



TOTAL WEIGHT = 8 X 108 = 647 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
K - A	2x4	DRY	No.2
K - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - C	2x4	DRY	No.2
C - G	2x4	DRY	No.2
G - E	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW+p	MT20	4.0	4.0	1.00 2.00
B	TMVW-i	MT20	4.0	4.0	2.00 1.25
C	TTWW-m	MT20	5.0	8.0	Edge 3.00
D	TMVW+w	MT20	2.0	4.0	
E	TMVW-i	MT20	4.0	8.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW-i	MT20	4.0	9.0	
H	BS-i	MT20	3.0	6.0	
I	BMVWW-i	MT20	4.0	4.0	
J	BMVWW-i	MT20	4.0	8.0	
K	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	1160	0	1160	0	2-0	2-0
K	1160	0	1160	0	HANGER BY OTHERS	MIN. SEAT SIZE: 8-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM.LIVE	WIND			
F	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0
K	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-I, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		MAX. FACTORED	
	MAX.	FACTORED	VERT.	LOAD LC1	MAX.	MAX.	MEMB.	FORCE
FR-TO	FORCE (LBS)	(PLF)	FROM	TO	CS1 (LC)	UNBRAC	FR-TO	CS1 (LC)
A-B	-450 / 0	-104.9	-104.9	0.25 (1)	8.25	J-B	-735 / 0	0.33 (1)
B-C	-721 / 0	-104.9	-104.9	0.26 (1)	8.25	B-I	0 / 207	0.05 (1)
C-D	-660 / 0	-104.9	-104.9	0.58 (1)	8.25	I-C	-13 / 165	0.03 (3)
D-E	-580 / 0	-104.9	-104.9	0.58 (1)	8.25	C-G	0 / 51	0.01 (1)
E-F	-1085 / 0	0.0	0.0	0.42 (1)	8.04	G-D	-737 / 0	0.40 (1)
K-A	-1150 / 0	0.0	0.0	0.31 (1)	7.42	G-E	0 / 1036	0.17 (1)
K-J	0 / 0	-26.0	-26.0	0.07 (3)	10.00	A-J	0 / 820	0.21 (1)
J-I	0 / 396	-26.0	-26.0	0.18 (2)	10.00			
I-H	0 / 532	-26.0	-26.0	0.28 (2)	10.00			
H-G	0 / 532	-26.0	-26.0	0.28 (2)	10.00			
G-F	0 / 0	-26.0	-26.0	0.22 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.58")
CALCULATED VERT. DEFL.(LL)= L/999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.58")
CALCULATED VERT. DEFL.(TL)= L/999 (0.07")

CS1: TC=0.58/1.00 (D-E:1), BC=0.28/1.00 (G-I:2), WB=0.40/1.00 (D-G:1), SS=0.29/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

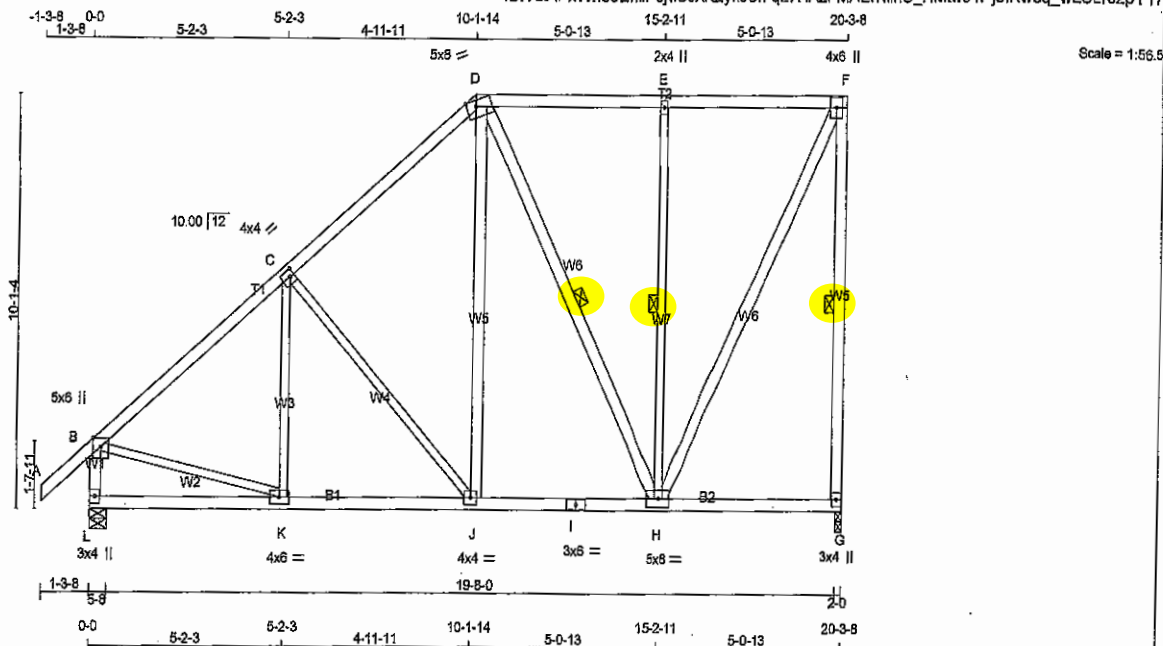
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (A) (INPUT = 0.90)
JSI METAL= 0.27 (H) (INPUT = 1.00)



DRWG NO. TAM 7353-18
STRUCTURAL
COMPONENT ONLY

SITE COPY



TOTAL WEIGHT = 2 X 121 = 243 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2

ALL WEBS			
EXCEPT	SIZE	LUMBER	DESCR.
J - D	2x4	DRY	No.2
D - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	5.0	6.0	Edge
C	TMVW-t	MT20	4.0	4.0	2.00 1.25
D	TTVW-m	MT20	5.0	8.0	Edge 3.00
E	TMVW-w	MT20	2.0	4.0	
F	TMVW+p	MT20	4.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMVW-w	MT20	5.0	8.0	
I	BS-t	MT20	3.0	6.0	
J	BMVW-t	MT20	4.0	4.0	
K	BMVW-t	MT20	4.0	6.0	
L	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	UPLIFT	IN-SX	BRG	IN-SX
G	1349	0	0	1349	0	0	2-0	2-0	
L	1494	0	0	1494	0	0	5-8	5-8	

UNFACTORED REACTIONS		1ST LCASE		MAX./MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
G	1075	658/0	213/0	0/0	0/0
L	1173	749/0	213/0	0/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.04 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/47	-104.9 -104.9	0.14 (1)	K-C	-89/182	0.05 (1)	
B-C	-1256/0	-104.9 -104.9	0.53 (1)	C-J	-443/0	0.51 (1)	
C-D	-953/0	-104.9 -104.9	0.50 (1)	J-D	0/461	0.07 (1)	
D-E	-562/0	-104.9 -104.9	0.46 (1)	D-H	-310/0	0.20 (1)	
E-F	-562/0	-104.9 -104.9	0.46 (1)	H-E	-857/0	0.46 (1)	
G-F	-1291/0	0.0 0.0	0.84 (1)	H-F	0/1225	0.20 (1)	
L-B	-1435/0	0.0 0.0	0.15 (1)	B-K	0/1027	0.23 (1)	
L-K	0/0	-28.0 -28.0	0.18 (3)				
K-J	0/996	-28.0 -28.0	0.29 (2)				
J-I	0/705	-28.0 -28.0	0.25 (2)				
I-H	0/705	-28.0 -28.0	0.25 (2)				
H-G	0/0	-28.0 -28.0	0.18 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. O/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 988-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL)= L/999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL)= L/999 (0.07")

CS1: TC=0.84/1.00 (F-G:1), BC=0.29/1.00 (J-K:2), WB=0.51/1.00 (C-J:1), SS1=0.26/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1667 822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

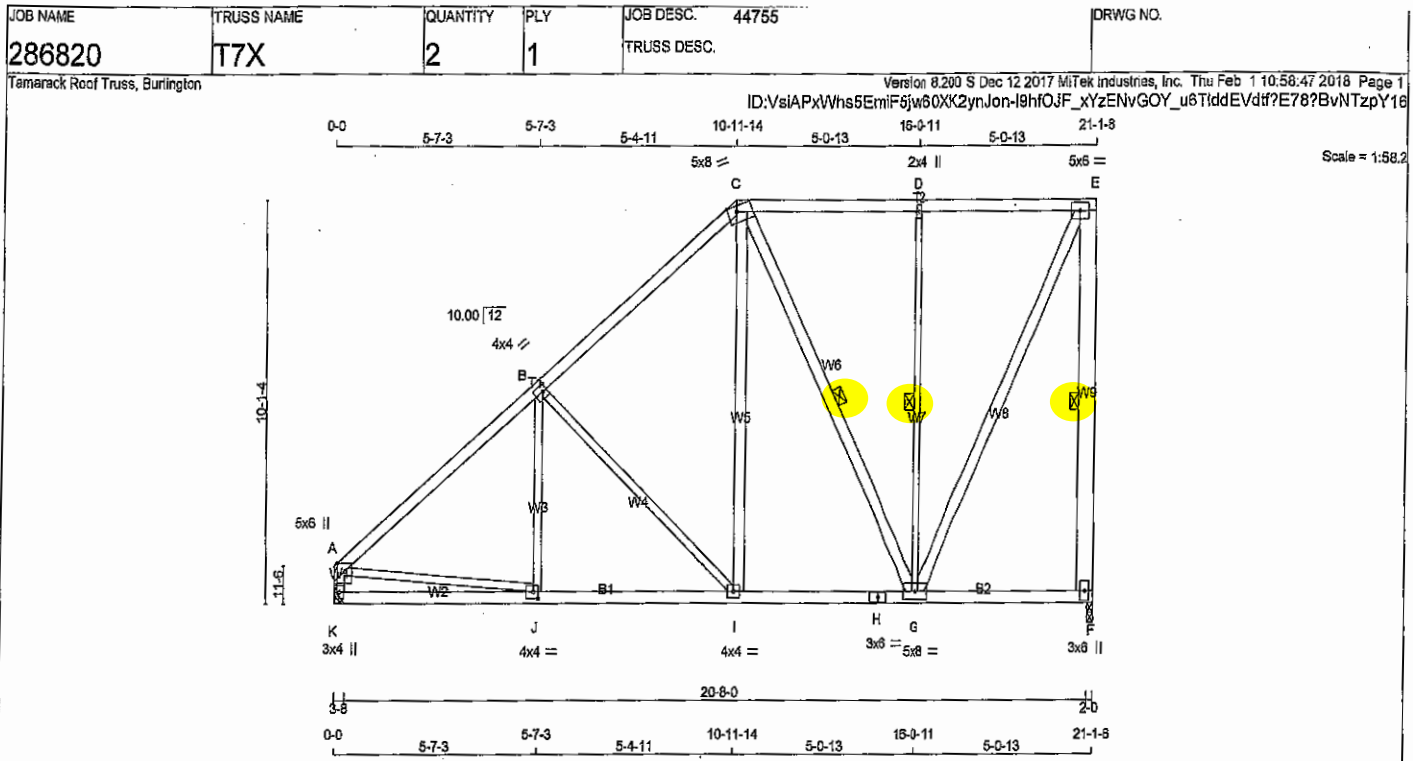
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (K) (INPUT = 0.80)
JSI METAL= 0.26 (B) (INPUT = 1.00)



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DRWG NO. TAM 2340-8
STRUCTURAL
COMPONENT ONLY



LUMBER				N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF	SPF	SPF
A - C	2x4	DRY	No.2	SPF	SPF	SPF	SPF
C - E	2x4	DRY	No.2	SPF	SPF	SPF	SPF
F - E	2x6	DRY	No.2	SPF	SPF	SPF	SPF
K - A	2x4	DRY	No.2	SPF	SPF	SPF	SPF
K - H	2x4	DRY	No.2	SPF	SPF	SPF	SPF
H - F	2x4	DRY	No.2	SPF	SPF	SPF	SPF
ALL WEBS				2x3	DRY	No.2	SPF
EXCEPT							
I - C	2x4	DRY	No.2	SPF	SPF	SPF	SPF
C - G	2x4	DRY	No.2	SPF	SPF	SPF	SPF
G - E	2x4	DRY	No.2	SPF	SPF	SPF	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TMVW-i	MT20	4.0	4.0	2.00	1.25
C	TTVW-m	MT20	5.0	8.0	Edge	3.00
D	TMVW+w	MT20	2.0	4.0		
E	TMVW-i	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	6.0		
G	BMVWW-i	MT20	5.0	8.0		
H	BS-i	MT20	3.0	6.0		
I	BMVW-i	MT20	4.0	4.0		
J	BMVW-i	MT20	4.0	4.0	2.00	1.50
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
F	1404	0	1404	0	2-0	2-0
K	1404	0	1404	0	HANGER BY OTHERS	MIN. SEAT SIZE: 3-8

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM	LIVE			
F	1119	686 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0
K	1119	686 / 0	222 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 (CSI)	MAX. FACTORED UNBRACED LENGTH (FR-TO)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LC1 (LC)
A-B	-1496 / 0	-104.9	-104.9	0.47 (1)	4.83	J-B	0 / 259
B-C	-1030 / 0	-104.9	-104.9	0.43 (1)	5.82	B-I	-592 / 0
C-D	-591 / 0	-104.9	-104.9	0.34 (1)	6.25	I-C	0 / 548
D-E	-591 / 0	-104.9	-104.9	0.34 (1)	6.25	C-G	-374 / 0
E-F	-1346 / 0	0.0	0.0	0.43 (1)	6.25	G-D	-657 / 0
K-A	-1340 / 0	0.0	0.0	0.13 (1)	7.00	G-E	0 / 1288
K-J	0 / 0	-28.0	-28.0	0.22 (3)	10.00	A-J	0 / 1180
J-I	0 / 1183	-28.0	-28.0	0.34 (2)	10.00		
I-H	0 / 763	-28.0	-28.0	0.25 (2)	10.00		
H-G	0 / 763	-28.0	-28.0	0.25 (2)	10.00		
G-F	0 / 0	-28.0	-28.0	0.17 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 32.5 PSF
DL	= 3.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.47/1.00 (A-B:1), BC=0.34/1.00 (I-J:2), WB=0.89/1.00 (B-I:1), SS=0.28/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354
1687	822	2264
1656		

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (A) (INPUT = 0.90)
JSI METAL= 0.44 (J) (INPUT = 1.00)

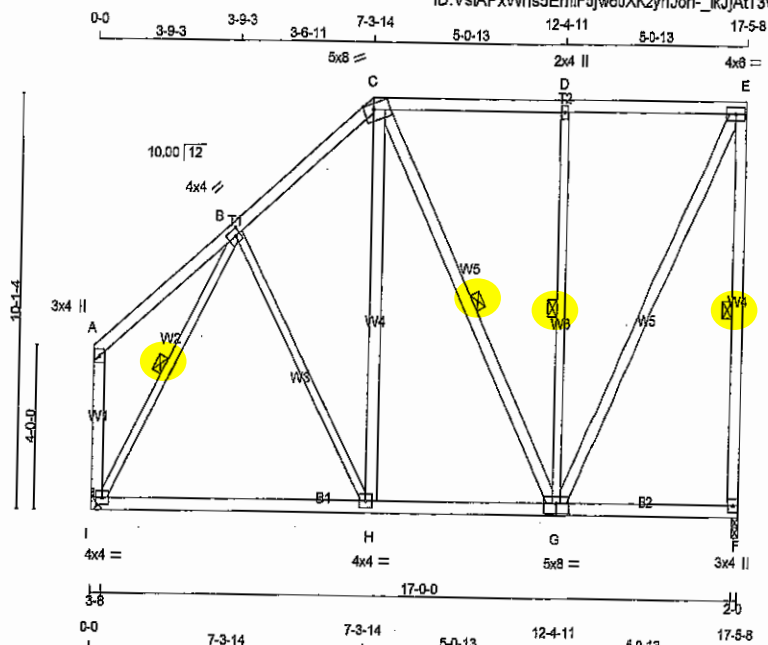


SITE COPY

DRWG NO. TAM 7341-18
STRUCTURAL
CONSTRUCTION ONLY

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 11:02:23 2018 Page 1
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Scale = 1:56.5

LUMBER
N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF
C - E	2x4 DRY	No.2	SPF
F - E	2x4 DRY	No.2	SPF
I - A	2x4 DRY	No.2	SPF
I - G	2x4 DRY	No.2	SPF
G - F	2x4 DRY	No.2	SPF
ALL WEBS EXCEPT	2x4 DRY	No.2	SPF
B - H	2x3 DRY	No.2	SPF
G - D	2x3 DRY	No.2	SPF
I - B	2x3 DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW+p	MT20	3.0	4.0		
B	TMWW-l	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	5.0	8.0	Edge	3.00
D	TMWW-w	MT20	2.0	4.0		
E	TMWW-l	MT20	4.0	6.0		
F	BMW1+p	MT20	3.0	4.0		
G	BSWWW-l	MT20	5.0	8.0	3.00	4.00
H	BMWW-l	MT20	4.0	4.0		
I	BMWW1-l	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
F	1180	0	1180	0	2-0	2-0
I	1180	0	1180	0	2-0	2-0

HANGER BY OTHERS
MIN. SEAT SIZE: 3-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
F	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0
I	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G, B-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS		MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)
FR-TO					FR-TO				
A-B	0 / 29	-104.9	0.23 (1)	10.00	B-H	0 / 115	0.03 (3)		
B-C	-703 / 0	-104.9	0.24 (1)	6.25	H-C	0 / 280	0.05 (2)		
C-D	-463 / 0	-104.9	0.45 (1)	6.25	C-G	-127 / 0	0.08 (2)		
D-E	-463 / 0	-104.9	0.45 (1)	6.25	G-D	-858 / 0	0.46 (1)		
F-E	-1098 / 0	0.0	0.0 0.55 (1)	6.04	G-E	0 / 1009	0.16 (1)		
I-A	-149 / 0	0.0	0.0 0.04 (1)	7.81	I-B	-1055 / 0	0.41 (1)		
I-H	0 / 507	-28.0	-28.0 0.38 (2)	10.00					
H-G	0 / 519	-28.0	-28.0 0.39 (2)	10.00					
G-F	0 / 0	-28.0	-28.0 0.16 (2)	10.00					

TOTAL WEIGHT = 112 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.58")
CALCULATED VERT. DEFL.(LL) = L/989 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.58")
CALCULATED VERT. DEFL.(TL) = L/989 (0.21")

CSI: TC=0.55/1.00 (E-F:1), SC=0.39/1.00 (G-H:2), WB=0.46/1.00 (D-G:1), SSI=0.26/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667
	822	2284	1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.83 (E) (INPUT = 0.80)
JSI METAL= 0.37 (B) (INPUT = 1.00)



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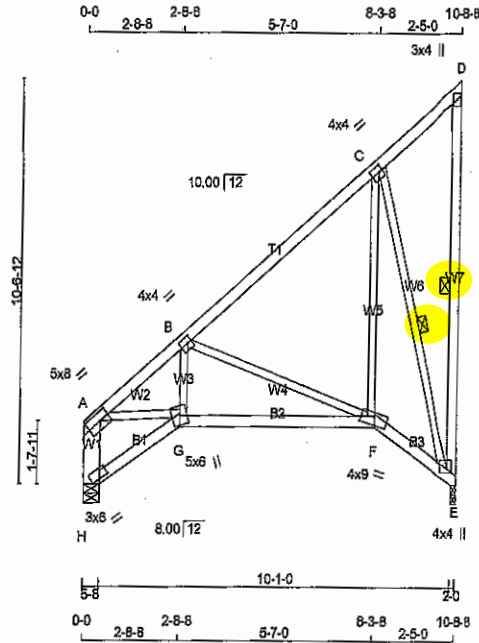
DWG NO. TAM 7354-08
STRUCTURAL
COMPONENT ONLY

JOB NAME 286820	TRUSS NAME T8	QUANTITY 4	PLY 1	JOB DESC. 44755 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:58:47 2018 Page 1

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Scale = 1/60.5

LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE	LUMBER	DESCR.	
A - D	2x4	DRY No.2	SPF	
E - D	2x4	DRY No.2	SPF	
H - A	2x6	DRY No.2	SPF	
H - G	2x4	DRY No.2	SPF	
G - F	2x4	DRY No.2	SPF	
F - E	2x4	DRY No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW-1	MT20	5.0	8.0	2.50 3.25
B	TMVW-1	MT20	4.0	4.0	2.00 1.25
C	TMVW-1	MT20	4.0	4.0	2.00 1.25
D	TMV+p	MT20	3.0	4.0	
E	BMVW1+p	MT20	4.0	4.0	1.25 1.75
F	BBWW-m	MT20	4.0	9.0	2.75 4.50
G	BBWW+m	MT20	5.0	8.0	
H	BVMH-1	MT20	3.0	6.0	0.50 3.00

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
E	712	0	712	0	0	2-0	2-0		
H	712	0	712	0	0	5-8	5-8		

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	567	348 / 0	112 / 0	0 / 0	0 / 0	107 / 0	0 / 0
H	567	348 / 0	112 / 0	0 / 0	0 / 0	107 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.02 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-E, C-E.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)	LC1 MAX	
FR-TO		FROM	TO	FR-TO			
A-B	-983 / 0	-104.9	-104.9 0.22 (1)	G-B	0 / 242	0.05 (2)	
B-C	-304 / 0	-104.9	-104.9 0.25 (1)	B-F	-587 / 0	0.34 (1)	
C-D	-53 / 0	-104.9	-104.9 0.22 (1)	F-C	0 / 485	0.11 (1)	
E-D	-50 / 0	0.0	0.0 0.03 (1)	C-E	-824 / 0	0.40 (1)	
H-A	-874 / 0	0.0	0.0 0.05 (1)	A-G	0 / 793	0.18 (1)	
H-G	0 / 0	-28.0	-28.0 0.05 (2)			10.00	
G-F	0 / 782	-28.0	-28.0 0.34 (2)			10.00	
F-E	0 / 290	-28.0	-28.0 0.08 (2)			10.00	

TOTAL WEIGHT = 4 X 63 = 253 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN./C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.0 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)=	L/360 (0.36")
CALCULATED VERT. DEFL.(LL)=	L/999 (0.06")
ALLOWABLE DEFL.(TL)=	L/360 (0.36")
CALCULATED VERT. DEFL.(TL)=	L/999 (0.13")

CSI: TC=0.25/1.00 (B-C:1), BC=0.34/1.00 (F-G:2),
WB=0.40/1.00 (C-E:1), SSI=0.17/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	818	354	1887 822 2284 1856

PLATE PLACEMENT TOL. = 0.250 inches

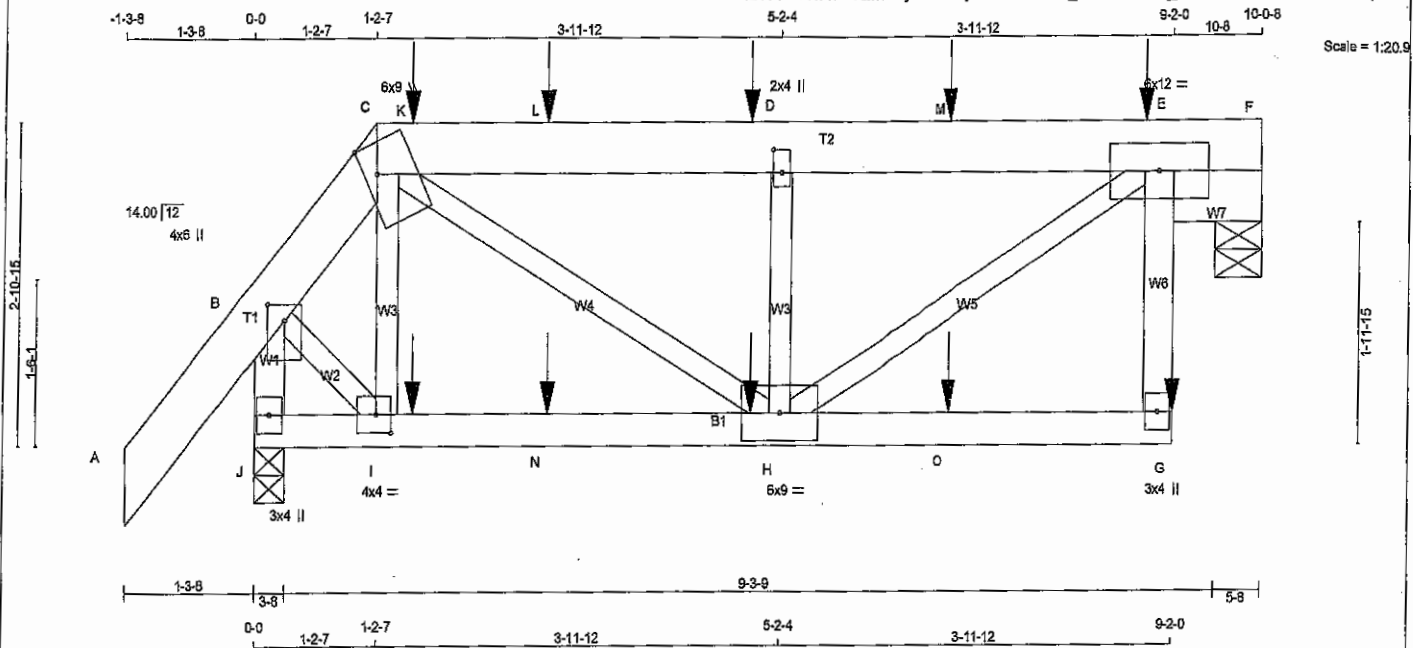
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.65 (A) (INPUT = 0.80)
JSI METAL= 0.20 (A) (INPUT = 1.00)



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DWG NO. TAM 7342-18
STRUCTURAL
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LUMBER
N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x6	DRY 1850F 1.5E	SPF
C - F	2x6	DRY 1850F 1.5E	SPF
E - F	2x6	DRY 1850F 1.5E	SPF
G - E	2x4	DRY No.2	SPF
J - B	2x4	DRY No.2	SPF
J - G	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	6.0	1.75	2.00
C	TTWW+m	MT20	6.0	9.0	Edge	1.50
D	TMVW-w	MT20	2.0	4.0	2.50	1.00
E	TMVWW-t	MT20	6.0	12.0		
G	BMV+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	6.0	9.0		
I	BMVW-t	MT20	4.0	4.0	2.00	1.75
J	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 66.7 lbs FACTORED DOWN AND 8.6 lbs FACTORED UP AT 1'-6-12, 35.0 lbs FACTORED DOWN AND 9.0 lbs FACTORED UP AT 2'-10-12, 35.0 lbs FACTORED DOWN AND 9.0 lbs FACTORED UP AT 4'-10-12, AND 35.0 lbs FACTORED DOWN AND 9.0 lbs FACTORED UP AT 6'-10-12, AND 35.0 lbs FACTORED DOWN AND 9.0 lbs FACTORED UP AT 8'-10-12 ON TOP CHORD, AND 349.2 lbs FACTORED DOWN AT 1'-8-12, 349.2 lbs FACTORED DOWN AT 2'-10-12, 349.2 lbs FACTORED DOWN AT 4'-10-12, AND 349.2 lbs FACTORED DOWN AT 6'-10-12, AND 359.4 lbs FACTORED DOWN AT 8'-2-0 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	1622	0	1622	0	5-8 (5-7)	5-8
J	1808	0	1808	0	3-8	3-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): F

UNFACTORED REACTIONS

JT	COMBINED	1ST LCASE MAX/MIN COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1287	795 / 0	248 / 0	0 / 0	0 / 0	243 / 0	0 / 0
J	1416	906 / 0	254 / 0	0 / 0	0 / 0	256 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, J

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (7)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 58	-104.9 -104.9	0.08 (1)	10.00	I-C	-52 / 178	0.04 (2)
B-C	-1332 / 0	-104.9 -104.9	0.06 (1)	6.25	C-H	0 / 1294	0.32 (1)
C-K	-1802 / 0	-104.9 -104.9	0.22 (1)	6.16	H-D	-1015 / 0	0.18 (1)
K-L	-1902 / 0	-104.9 -104.9	0.22 (1)	6.16	H-E	0 / 2256	0.56 (1)
L-D	-1902 / 0	-104.9 -104.9	0.22 (1)	6.16	B-I	0 / 1009	0.25 (1)
D-M	-1903 / 0	-104.9 -104.9	0.72 (1)	5.05			
M-E	-1903 / 0	-104.9 -104.9	0.72 (1)	5.05			
E-F	0 / 0	-104.9 -104.9	0.28 (1)	10.00			
G-E	0 / 508	0.0 0.0	0.09 (1)	10.00			
J-B	-1899 / 0	0.0 0.0	0.21 (1)	6.04			
J-I	0 / 0	-28.0 -28.0	0.22 (1)	10.00			
I-N	0 / 804	-28.0 -28.0	0.49 (1)	10.00			
N-H	0 / 804	-28.0 -28.0	0.49 (1)	10.00			
H-O	0 / 0	-28.0 -28.0	0.40 (1)	10.00			
O-G	0 / 0	-28.0 -28.0	0.40 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TOTAL
D	4-10-12	-35	-35	9	FRONT	VERT	TOTAL
E	8-10-12	-35	-35	9	FRONT	VERT	TOTAL
G	9-2-0	-359	-359	—	FRONT	VERT	TOTAL
H	4-10-12	-349	-349	—	FRONT	VERT	TOTAL
I	1-8-12	-349	-349	—	FRONT	VERT	TOTAL
K	1-8-12	-87	-87	9	FRONT	VERT	TOTAL
L	2-10-12	-35	-35	9	FRONT	VERT	TOTAL
M	6-10-12	-35	-35	9	FRONT	VERT	TOTAL
N	2-10-12	-349	-349	—	FRONT	VERT	TOTAL
O	6-10-12	-349	-349	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.33")
CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.33")
CALCULATED VERT. DEFL.(TL) = L/764 (0.16")

CSI: TC=0.72/1.00 (D-E:1), BC=0.49/1.00 (H-I:1), WB=0.56/1.00 (E-H:1), SS=0.54/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.56 (E) (INPUT = 1.00)

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DRWG NO. TAM 7344-08
STRUCTURAL
COMPONENT ONLY

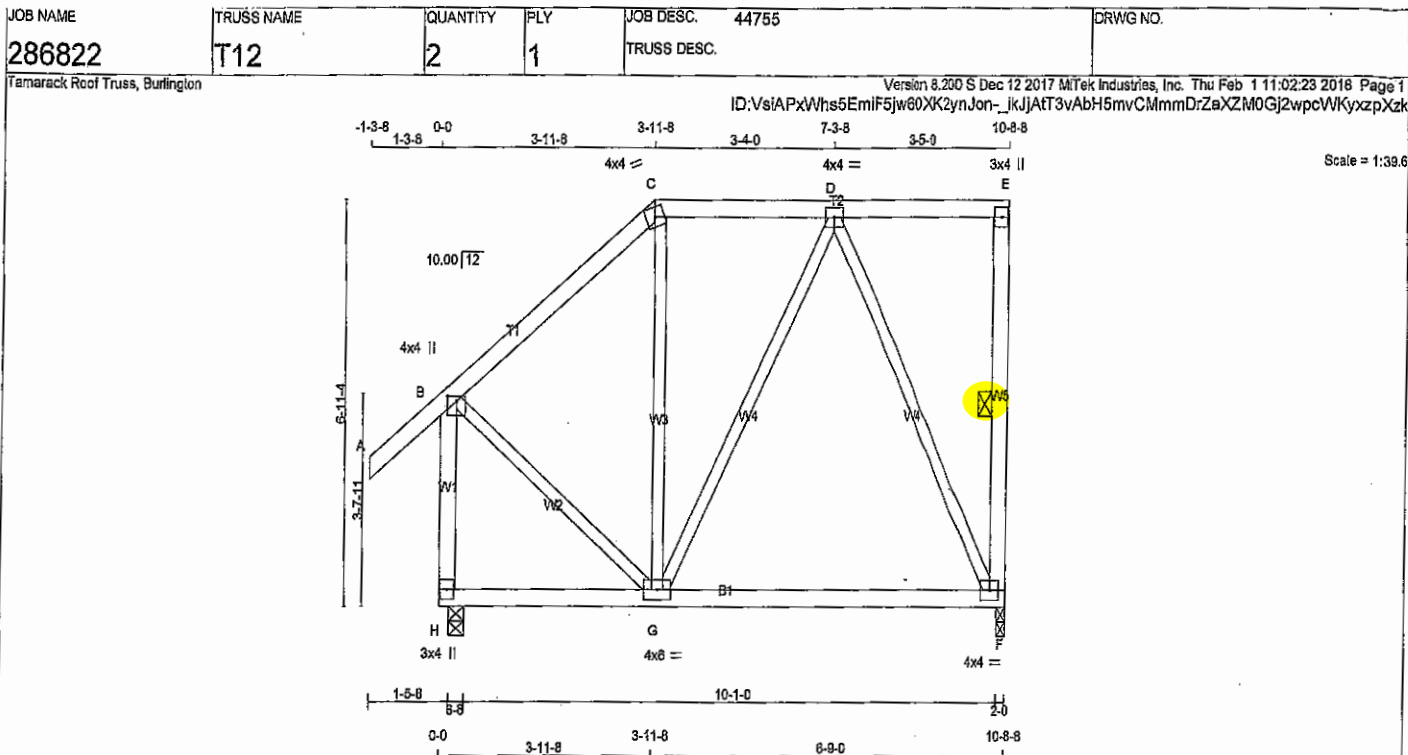
Version 8.200 S Dec 12 2017 MITek Industries, Inc. Thu Feb 1 11:02:23 2018 Page 1
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TOTAL WEIGHT = $2 \times 46 = 93 \text{ lb}$

DWG NO. TAM 7355-18
STRUCTURAL
COMPONENT ONLY

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LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
H - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		
G	BMVW1-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
F	712	0	712	0
H	857	0	857	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERMLIVE	WIND	DEAD	SOIL
F	567	348 / 0	112 / 0	0 / 0	0 / 0	107 / 0	0 / 0
H	666	438 / 0	112 / 0	0 / 0	0 / 0	115 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	G-C	-100 / 95
B-C	-375 / 0	-104.9	-104.9	0.29 (1)	6.25	B-G	0 / 370
C-D	-285 / 0	-104.9	-104.9	0.20 (1)	6.25	G-D	0 / 145
D-E	0 / 0	-104.9	-104.9	0.20 (1)	10.00	D-F	-561 / 0
E-F	-137 / 0	0.0	0.0	0.03 (1)	6.25		
H-B	-826 / 0	0.0	0.0	0.18 (1)	7.81		
H-G	0 / 0	-28.0	-28.0	0.28 (3)	10.00		
G-F	0 / 256	-28.0	-28.0	0.30 (2)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
DL = 3.0	PSF	
BOT CH.	LL = 10.5	PSF
DL = 7.0	PSF	
TOTAL LOAD = 53.0	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014

- CSA 086-09

- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.36")

CALCULATED VERT. DEFL.(LL)= L/999 (0.07")

ALLOWABLE DEFL.(TL)= L/360 (0.36")

CALCULATED VERT. DEFL.(TL)= L/999 (0.12")

CSI: TC=0.29/1.00 (B-C:1), BC=0.30/1.00 (F-G:2), WB=0.81/1.00 (D-F:1), SSI=0.17/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	818	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.58 (B) (INPUT = 0.90)

JSI METAL= 0.18 (B) (INPUT = 1.00)

DRWG NO. TAM 7356-08

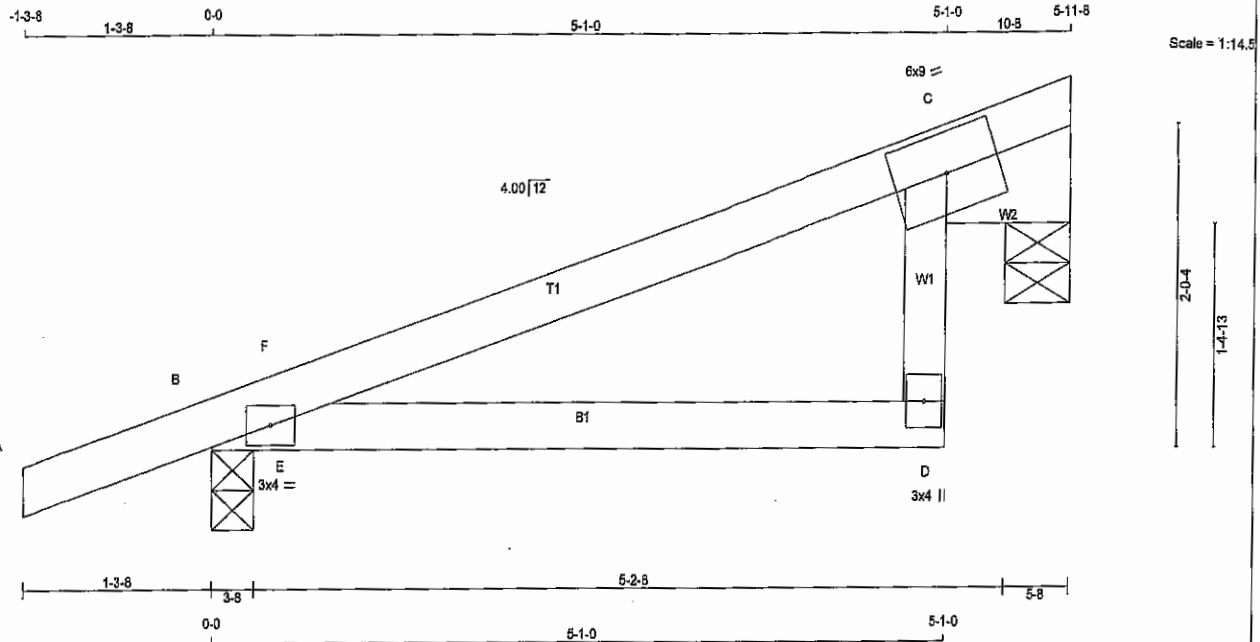
STRUCTURAL COMPONENT ONLY

SITE COPY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	44755	DRWG NO.
286820	T14	12	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 10:58:48 2018 Page 1
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TOTAL WEIGHT = 12 X 18 = 220 lb

LUMBER	N L G A RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF
A - C	2x4	DRY	No.2	SPF			
D - C	2x4	DRY	No.2	SPF			
B - D	2x4	DRY	No.2	SPF			

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMBVW1-I	MT20	6.0	9.0		
D	BMBVp	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	IN-SX	IN-SX
C	703	0	703	0	0	5-8	5-8	5-8
B	799	0	799	0	0	3-8	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	513	408 / 0	63 / 0	0 / 0	0 / 0	51 / 0	0 / 0
B	538	428 / 0	53 / 0	0 / 0	0 / 0	59 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)
FR-TO								
A-B	0 / 25	-104.9	-145.6	0.18 (1)	10.00	E-F	-853 / 133	0.00 (1)
B-F	-48 / 43	-145.6	-164.1	0.12 (3)	6.25			
F-C	0 / 11	-164.1	-298.9	0.82 (1)	10.00			
D-C	0 / 149	0.0	0.0	0.03 (1)	10.00			
B-E	0 / 0	-28.0	-28.0	0.59 (1)	10.00			
E-D	0 / 0	-28.0	-28.0	0.59 (1)	10.00			

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

*** NON STANDARD GIRDER ***

ADDTL USER-DEFINED LOADS APPLIED TO LOADCASE(S): 1,2

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/492 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/360 (0.18")

CSI: TC=0.82/1.00 (C-F:1), BC=0.58/1.00 (B-E:1),
WB=0.00/1.00 (E-F:1), SSI=0.55/1.00 (B-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1687
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

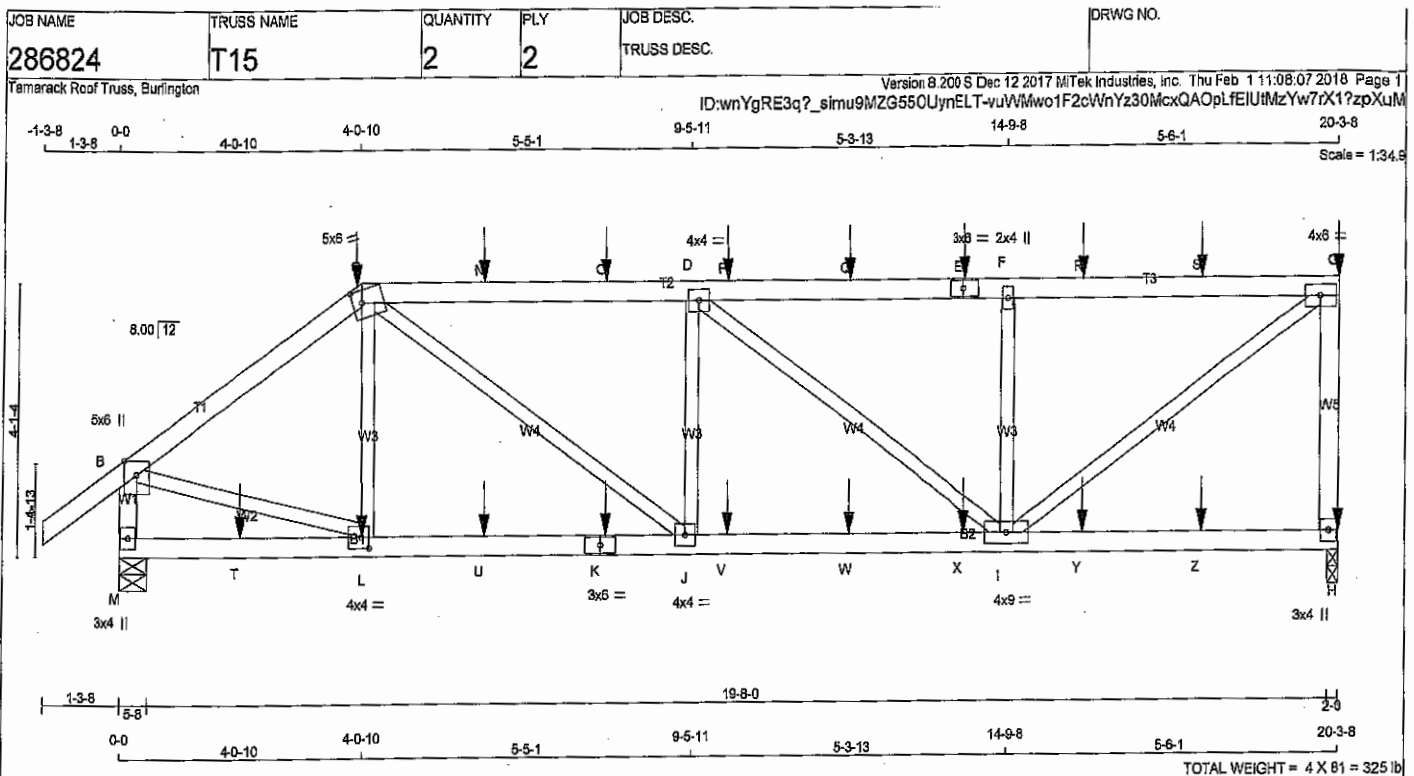
PLATE ROTATION TOL. = 5.0 Deg

JSI GRIP= 0.48 (B) (INPUT = 0.80)
JSI METAL= 0.14 (B) (INPUT = 1.00)

DRWG NO. TAM 7345-18
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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF		
C - E	2x4 DRY	No.2	SPF		
E - G	2x4 DRY	No.2	SPF		
H - G	2x4 DRY	No.2	SPF		
M - B	2x4 DRY	No.2	SPF		
M - K	2x4 DRY	No.2	SPF		
K - H	2x4 DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	SIDE(61.0)
C-E	12	SIDE(61.0)
E-G	12	SIDE(61.0)
G-H	12	TOP
M-B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-K	12	SIDE(61.0)
K-H	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWV+p	MT20	5.0	8.0	Edge	
C TMWV-m	MT20	5.0	6.0	2.25	1.75
D TMWV-t	MT20	4.0	4.0		
E TS-t	MT20	3.0	6.0		
F TMWV-w	MT20	2.0	4.0		
G TMWV-h	MT20	4.0	8.0		
H BMV1+p	MT20	3.0	4.0		
I BMWVW-t	MT20	4.0	9.0		
J BMWVW-t	MT20	4.0	4.0		
K BS-t	MT20	3.0	6.0		
L BMWVW-t	MT20	4.0	4.0	2.00	1.50
M BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
JT	2296	0	2296	0	2-0	2-0
M	2137	0	2137	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
H	1647	1103 / 0	385 / 0	0 / 0	0 / 0	359 / 0
M	1712	1033 / 0	349 / 0	0 / 0	0 / 0	330 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 / 40	-104.9	-104.9	0.08 (1)	10.00	L-C	-227 / 215	0.03 (1)	
B-C	-2233 / 0	-104.9	-104.9	0.19 (1)	5.76	B-L	0 / 1917	0.24 (1)	
C-N	-3001 / 0	-104.9	-104.9	0.42 (1)	4.83	C-J	0 / 1408	0.17 (1)	
N-O	-3001 / 0	-104.9	-104.9	0.42 (1)	4.83	J-D	-564 / 113	0.08 (1)	
O-D	-3001 / 0	-104.9	-104.9	0.42 (1)	4.83	D-I	-704 / 0	0.28 (1)	
D-P	-2430 / 0	-104.9	-104.9	0.40 (1)	5.26	I-F	-987 / 0	0.13 (1)	
P-Q	-2430 / 0	-104.9	-104.9	0.40 (1)	5.26	I-G	0 / 2996	0.37 (1)	
Q-E	-2430 / 0	-104.8	-104.9	0.40 (1)	5.26				
E-F	-2430 / 0	-104.9	-104.9	0.40 (1)	5.26				
F-R	-2430 / 0	-104.9	-104.9	0.41 (1)	5.26				
R-S	-2430 / 0	-104.9	-104.9	0.41 (1)	5.26				
S-G	-2430 / 0	-104.9	-104.9	0.41 (1)	5.26				
H-G	-2157 / 0	0.0	0.0	0.29 (1)	7.57				
M-B	-2082 / 0	0.0	0.0	0.12 (1)	7.68				

FR-TO	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
T-L	0 / 0	-28.0	-28.0	0.13 (3)	10.00		
L-U	0 / 1849	-28.0	-28.0	0.25 (2)	10.00		
U-K	0 / 1849	-28.0	-28.0	0.25 (2)	10.00		
K-J	0 / 1849	-28.0	-28.0	0.25 (2)	10.00		
J-V	0 / 3002	-28.0	-28.0	0.36 (2)	10.00		
V-W	0 / 3002	-28.0	-28.0	0.36 (2)	10.00		
W-X	0 / 3002	-28.0	-28.0	0.36 (2)	10.00		
X-I	0 / 3002	-28.0	-28.0	0.36 (2)	10.00		
I-Y	0 / 0	-28.0	-28.0	0.19 (3)	10.00		
Y-Z	0 / 0	-28.0	-28.0	0.19 (3)	10.00		
Z-H	0 / 0	-28.0	-28.0	0.19 (3)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
C	4-0-11	-130	-130		BACK	VERT	TOTAL
E	14-0-12	-126	-126		BACK	VERT	TOTAL
G	20-3-8	-167	-167		BACK	VERT	TOTAL
H	20-3-8	-51	-89		BACK	VERT	TOTAL
K	8-0-12	-40	-70		BACK	VERT	TOTAL
L	4-0-12	-40	-70		BACK	VERT	TOTAL
N	8-0-12	-126	-126		BACK	VERT	TOTAL
O	8-0-12	-126	-126		BACK	VERT	TOTAL
P	8-0-12	-126	-126		BACK	VERT	TOTAL
Q	12-0-12	-126	-126		BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.42/1.00 (C-D:1), BC=0.38/1.00 (I-J:2), WB=0.37/1.00 (G-I:1), SSI=0.22/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1887
	822	2284	1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (G) (INPUT = 0.90)
JSI METAL= 0.35 (L) (INPUT = 1.00)

DWG NO. TAM 7365-08
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 130.0 lbs FACTORED DOWN AT 4-0-11, 126.3 lbs FACTORED DOWN AT 6-0-12, 126.3 lbs FACTORED DOWN AT 8-0-12, 126.3 lbs FACTORED DOWN AT 10-0-12, 126.3 lbs FACTORED DOWN AT 12-0-12, 126.3 lbs FACTORED DOWN AT 14-0-12, 126.3 lbs FACTORED DOWN AT 16-0-12, AND 126.3 lbs FACTORED DOWN AT 18-0-12, AND 166.7 lbs FACTORED DOWN AT 20-3-8 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, 69.9 lbs FACTORED DOWN AT 14-0-12, 69.9 lbs FACTORED DOWN AT 16-0-12, AND 69.9 lbs FACTORED DOWN AT 18-0-12, AND 69.9 lbs FACTORED DOWN AT 20-3-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC	LC1	MAX-	MAX+	FACE	DIR.	TYPE
R	16-0-12	-126	-126	—	BACK	VERT	TOTAL
S	18-0-12	-126	-126	—	BACK	VERT	TOTAL
T	2-0-12	-40	-70	—	BACK	VERT	TOTAL
U	6-0-12	-40	-70	—	BACK	VERT	TOTAL
V	10-0-12	-40	-70	—	BACK	VERT	TOTAL
W	12-0-12	-40	-70	—	BACK	VERT	TOTAL
X	14-0-12	-40	-70	—	BACK	VERT	TOTAL
Y	16-0-12	-40	-70	—	BACK	VERT	TOTAL
Z	18-0-12	-40	-70	—	BACK	VERT	TOTAL



DWG NO. TAM 7366-08
STRUCTURAL
COMPONENT ONLY

SITE COPY

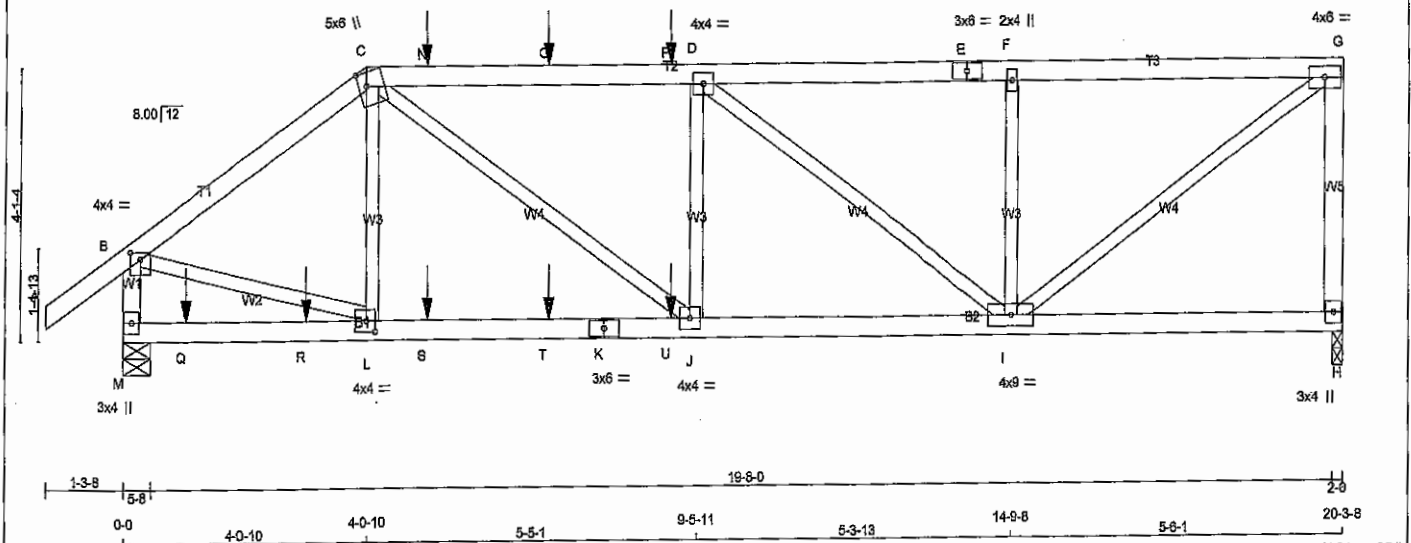
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T15Z	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 11 11:08:07 2018 Page 1

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-1-3-6 0-0 4-0-10 4-0-10 5-5-1 9-5-11 5-3-13 14-9-8 5-6-1 20-3-8
Scale = 1:34.9



LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE		LUMBER	DESCR
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-C 1 12	TOP	TOP
C-E 1 12	TOP	TOP
E-G 1 12	TOP	TOP
G-I 1 12	TOP	TOP
I-K 1 12	TOP	TOP
K-L 1 12	TOP	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M-K 1 12	SIDE(0.0)	SIDE(0.0)
K-H 1 12	SIDE(0.0)	SIDE(0.0)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	4.0	4.0	1.25	2.00	
C TTWW+m	MT20	5.0	6.0	2.50	1.50	
D TMVW-l	MT20	4.0	4.0			
E TS-l	MT20	3.0	6.0			
F TMVW+w	MT20	2.0	4.0			
G TMVW-l	MT20	4.0	6.0			
H BMVW+hp	MT20	3.0	4.0			
I BMVW+hl	MT20	4.0	9.0			
J BMVW-l	MT20	4.0	4.0			
K BS-l	MT20	3.0	6.0			
L BMVW-l	MT20	4.0	4.0	2.00	1.75	
M BMVW+hp	MT20	3.0	4.0			

HANGERS NOTES
1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	1597	1597	0	0
H VERT	1597	1597	0	0
M VERT	2014	2014	0	0

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT COMBINED	776 / 0	257 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1276	776 / 0	257 / 0	0 / 0	315 / 0	0 / 0
M	1620	966 / 0	336 / 0	0 / 0	315 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LBS)	MAX. VERT. LOAD (LBS)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LBS)
FR-TO						FR-TO			
A-B	0 / 40	-104.9	-104.9	0.08 (1)	10.00	L-C	-132 / 255	0.03 (3)	
B-C	-2062 / 0	-104.9	-104.9	0.19 (1)	5.93	B-L	0 / 1769	0.22 (1)	
C-N	-2629 / 0	-104.9	-104.9	0.41 (1)	5.09	C-J	0 / 1124	0.14 (1)	
N-O	-2629 / 0	-104.9	-104.9	0.41 (1)	5.09	J-D	-385 / 147	0.05 (1)	
O-P	-2629 / 0	-104.9	-104.9	0.41 (1)	5.09	D-I	-947 / 0	0.37 (1)	
P-D	-2629 / 0	-104.9	-104.9	0.41 (1)	5.09	I-F	-579 / 0	0.08 (1)	
D-E	-1860 / 0	-104.9	-104.9	0.36 (1)	5.88	I-G	0 / 2262	0.28 (1)	
E-F	-1860 / 0	-104.9	-104.9	0.36 (1)	5.88				
F-G	-1860 / 0	-104.9	-104.9	0.24 (1)	6.10				
H-G	-1531 / 0	0.0	0.0	0.21 (1)	7.81				
M-B	-1949 / 0	0.0	0.0	0.11 (1)	7.81				

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LBS)	MAX. VERT. LOAD (LBS)
FR-TO					
M-Q	0 / 0	-28.0	-28.0	0.16 (2)	10.00
Q-R	0 / 0	-28.0	-28.0	0.16 (2)	10.00
R-L	0 / 0	-28.0	-28.0	0.16 (2)	10.00
L-S	0 / 1709	-28.0	-28.0	0.27 (2)	10.00
S-T	0 / 1709	-28.0	-28.0	0.27 (2)	10.00
T-K	0 / 1709	-28.0	-28.0	0.27 (2)	10.00
K-U	0 / 1709	-28.0	-28.0	0.27 (2)	10.00
U-J	0 / 1709	-28.0	-28.0	0.27 (2)	10.00
J-I	0 / 2629	-28.0	-28.0	0.30 (1)	10.00
I-H	0 / 0	-28.0	-28.0	0.10 (3)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
N	5-0-12	-159	-159	FRONT	VERT	TOTAL
O	7-0-12	-159	-159	FRONT	VERT	TOTAL
P	9-0-12	-159	-159	FRONT	VERT	TOTAL
Q	1-0-12	-40	-70	FRONT	VERT	TOTAL
R	3-0-12	-40	-70	FRONT	VERT	TOTAL
S	5-0-12	-71	-84	FRONT	VERT	TOTAL
T	7-0-12	-71	-84	FRONT	VERT	TOTAL
U	9-0-12	-71	-84	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.41/1.00 (C-D-I), BC=0.30/1.00 (J-I), WB=0.37/1.00 (D-I), SS=0.27/1.00 (C-D-I)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP= 0.89 (L) (INPUT = 0.90)
METAL= 0.32 (L) (INPUT = 1.00)



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DWG NO. TAM 7367-18
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME 286824	TRUSS NAME T15Z	QUANTITY 2	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
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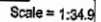
Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 11:08:07 2018 Page 2
 Tamarack Roof Truss, Burlington ID:wnYgRE3q?_simu9MZG55QUynELT-yuVVMwo1F2cWnYz30McxQAOpLkEmXtMtYw7rX1?zpXut

HANGERS NOTES
 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 158.9 lbs FACTORED DOWN AT 5-0-12, AND 158.9 lbs FACTORED DOWN AT 7-0-12, AND 158.9 lbs FACTORED DOWN AT 9-0-12 ON TOP CHORD, AND 89.9 lbs FACTORED DOWN AT 1-0-12, 89.9 lbs FACTORED DOWN AT 3-0-12, 83.6 lbs FACTORED DOWN AT 5-0-12, AND 83.6 lbs FACTORED DOWN AT 7-0-12, AND 83.6 lbs FACTORED DOWN AT 9-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM 7367
 STRUCTURAL
 COMPONENT ONLY

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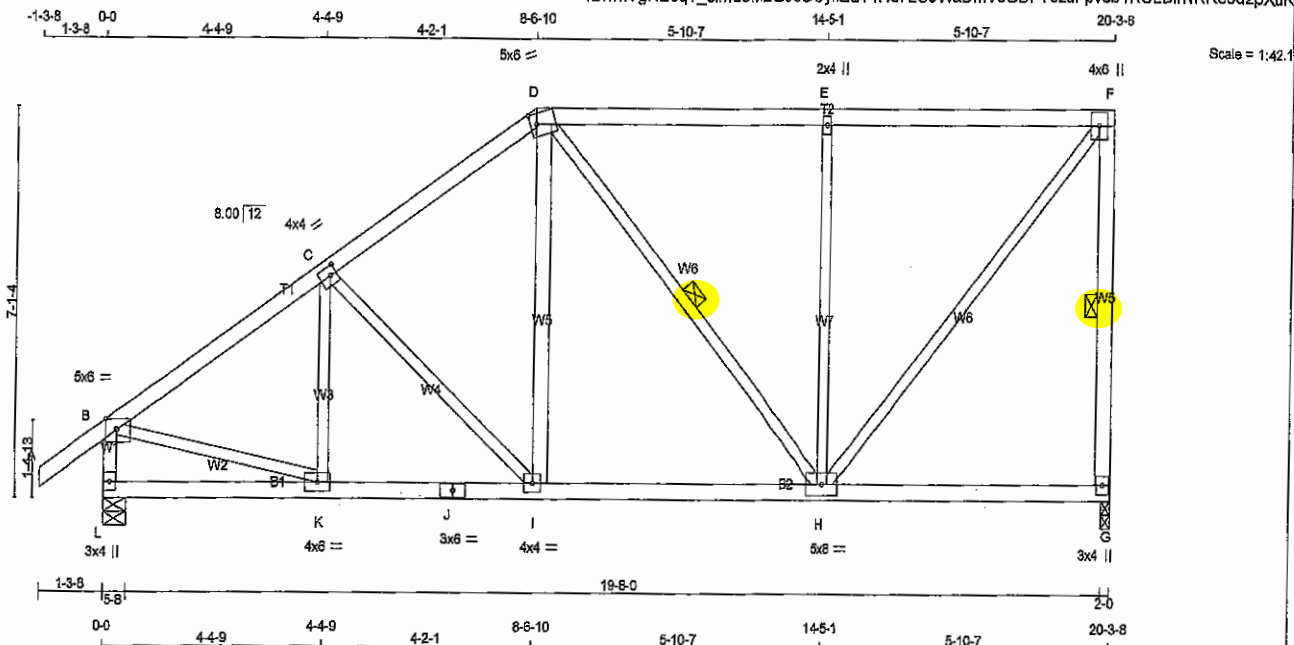


TOTAL WEIGHT = 4 X 87 = 348 lb

DWG NO. TAM 7368-8
STRUCTURAL
COMPONENT ONLY



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TOTAL WEIGHT = 4 X 68 = 385 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - G	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - D	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	5.0	8.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	8.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1349	0	1349	0	2-0	2-0
L	1493	0	1493	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERMLIVE			
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.01 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO	CS (LC)	FR-TO		FROM TO	CS (LC)
A-B	0 / 40	-104.9 -104.9	0.14 (1)	K-C	-175 / 104	0.05 (1)	
B-C	-1442 / 0	-104.9 -104.9	0.36 (1)	C-I	-328 / 0	0.19 (1)	
C-D	-1214 / 0	-104.9 -104.9	0.35 (1)	I-D	0 / 373	0.06 (2)	
D-E	-904 / 0	-104.9 -104.9	0.65 (1)	D-H	-134 / 0	0.07 (1)	
E-F	-904 / 0	-104.9 -104.9	0.65 (1)	H-E	-763 / 0	0.67 (1)	
G-F	-1282 / 0	0.0 0.0	0.28 (1)	F-F	0 / 1385	0.31 (1)	
L-B	-1440 / 0	0.0 0.0	0.15 (1)	B-K	0 / 1260	0.28 (1)	
L-K	0 / 0	-28.0 -28.0	0.12 (3)				
K-J	0 / 1224	-28.0 -28.0	0.27 (1)				
J-I	0 / 1224	-28.0 -28.0	0.27 (1)				
I-H	0 / 991	-28.0 -28.0	0.35 (2)				
H-G	0 / 0	-28.0 -28.0	0.24 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 096-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.65/1.00 (E-F:1), BC=0.35/1.00 (H-I:2), WB=0.67/1.00 (E-H:1), SSI=0.30/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

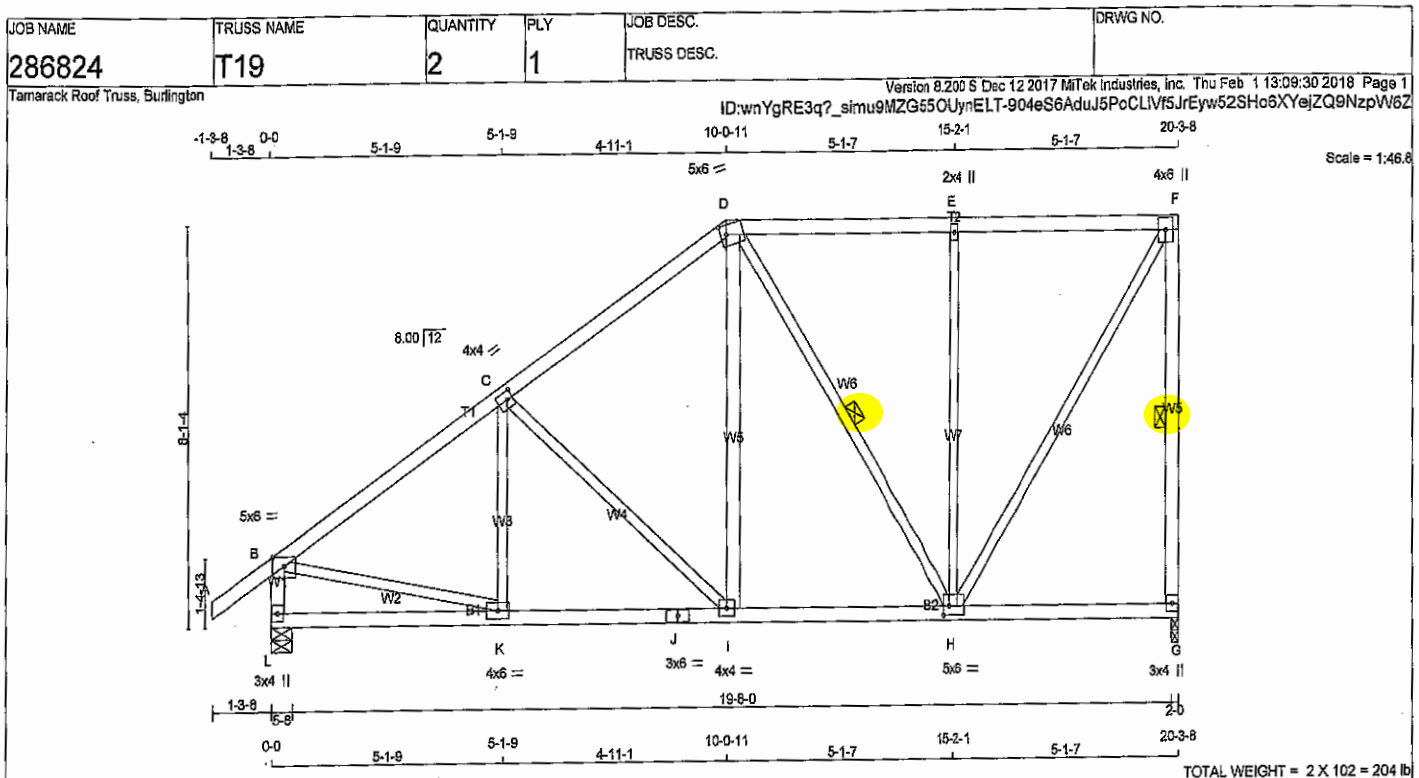
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (K) (INPUT = 0.90)
JSI METAL= 0.34 (J) (INPUT = 1.00)



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DRWG NO. TAM 7370-18
STRUCTURAL
COMPONENT ONLY



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - G	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - D	2x4	DRY	No.2
SPF			
DRY, SEASONED LUMBER.			

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMVW-p	MT20	5.0	6.0 Edge
C	TMVW-t	MT20	4.0	4.0 2.00 1.50
D	TTWW-m	MT20	5.0	6.0 2.25 1.50
E	TMVW-w	MT20	2.0	4.0
F	TMVW+p	MT20	4.0	6.0
G	BMV1+p	MT20	3.0	4.0
H	BMVWW-t	MT20	5.0	6.0 2.25 1.50
I	BMVW-t	MT20	4.0	4.0
J	BS-t	MT20	3.0	6.0
K	BMVW-t	MT20	4.0	6.0
L	BMV1+p	MT20	3.0	4.0

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0		
L	1493	0	1493	0	0	5-8	5-8		

UNFACTORED REACTIONS

1ST LCASE		MAX/LIVE		PERM.LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	COMBINED	SNOW	LIVE	PERM.LIVE
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0				
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0				

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MAX. CS1 (LC)
FR-TO		FROM TO	LENGTH FR-TO	K-C	-102 / 174	0.04 (3)	
A-B	0 / 40	-104.9	-104.9 0.14 (1)	10.00	-478 / 0	0.40 (1)	
B-C	-1448 / 0	-104.9	-104.9 0.52 (1)	4.77	0 / 452	0.07 (1)	
C-D	-1091 / 0	-104.9	-104.9 0.49 (1)	5.38	-316 / 0	0.19 (1)	
D-E	-711 / 0	-104.9	-104.9 0.47 (1)	6.25	-384 / 0	0.24 (1)	
E-F	-711 / 0	-104.9	-104.9 0.47 (1)	6.25	0 / 1289	0.29 (1)	
F-G	-1290 / 0	0.0	0.0 0.38 (1)	5.68	0 / 1281	0.28 (1)	
G-H	-1433 / 0	0.0	0.0 0.15 (1)	6.82			
L-K	0 / 0	-28.0	-28.0 0.18 (3)	10.00			
K-J	0 / 1234	-28.0	-28.0 0.31 (2)	10.00			
J-I	0 / 1234	-28.0	-28.0 0.31 (2)	10.00			
I-H	0 / 895	-28.0	-28.0 0.27 (2)	10.00			
H-G	0 / 0	-28.0	-28.0 0.18 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 5.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2012, SCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.88")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.05")
ALLOWABLE DEFL.(TL) = 1/360 (0.88")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.08")

CS1: TC=0.52/1.00 (B-C:1), BC=0.31/1.00 (I-K:2), WB=0.84/1.00 (E-H:1), SS1=0.28/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1657 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

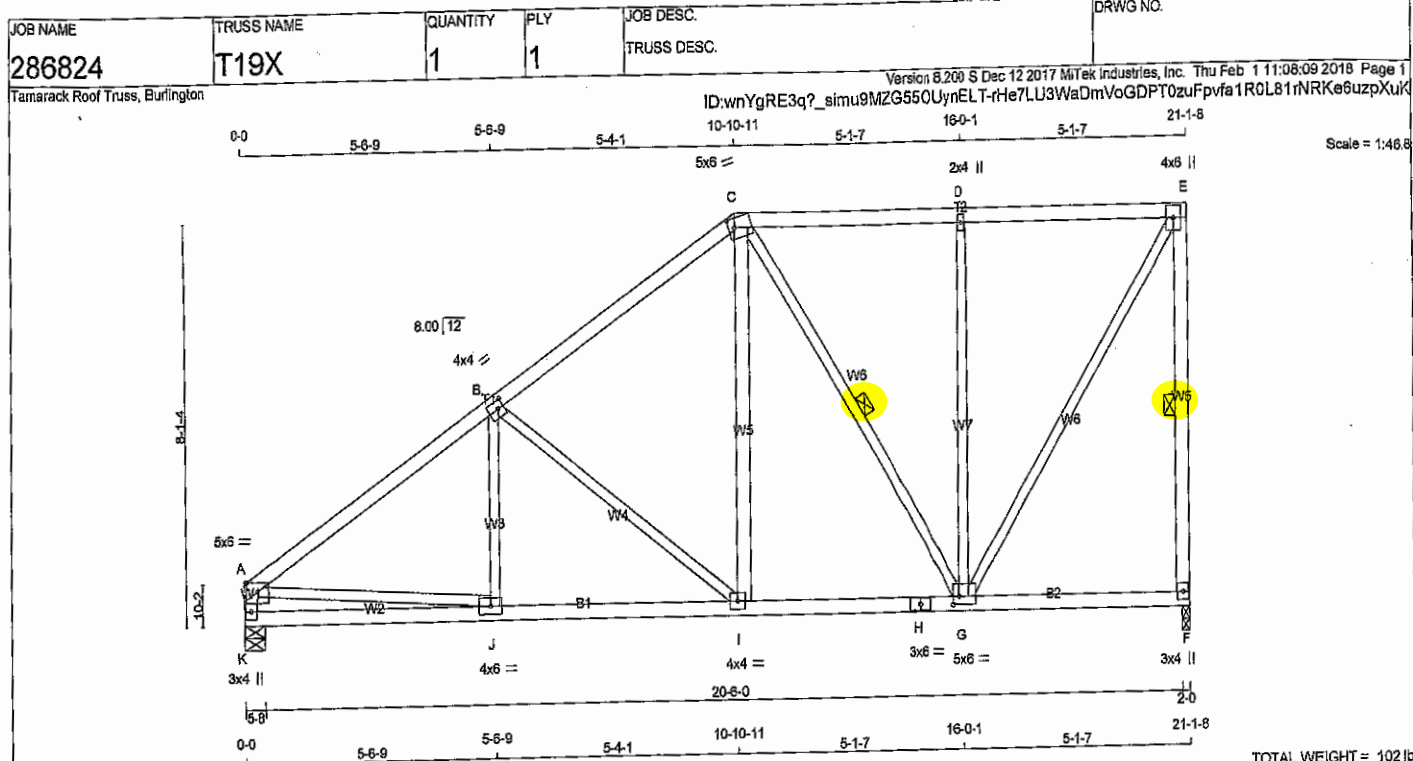
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.33 (J) (INPUT = 1.00)



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DRWG NO. TAM 7371
STRUCTURAL
COMPONENT ONLY



LUMBER
N. L. G. A. RULES
CHORDS SIZE
A - C 2x4 DRY No.2
C - E 2x4 DRY No.2
E - F 2x4 DRY No.2
K - A 2x4 DRY No.2
K - H 2x4 DRY No.2
H - F 2x4 DRY No.2
ALL WEBS 2x3 DRY No.2
EXCEPT I - C 2x4 DRY No.2
DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	5.0	6.0	2.25	1.50
D	TMW-w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	5.0	6.0	2.00	1.50
H	BS-t	MT20	3.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	1404	0	1404	0	2-0	2-0
K	1404	0	1404	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX/MIN. COMPONENT REACTIONS		DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND		
F	1119	688 / 0	222 / 0	0 / 0	211 / 0	0 / 0
K	1119	688 / 0	222 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, K

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.58 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO						
A-B	-1724 / 0	-104.9 -104.9	0.46 (1)	4.58	J-B	0 / 250
B-C	-1180 / 0	-104.9 -104.9	0.42 (1)	5.35	B-I	-853 / 0
C-D	-747 / 0	-104.9 -104.9	0.35 (1)	6.25	I-C	0 / 540
D-E	-747 / 0	-104.9 -104.9	0.35 (1)	6.25	C-G	-384 / 0
E-F	-1345 / 0	0.0	0.40 (1)	5.59	G-D	-864 / 0
F-A	-1340 / 0	0.0	0.13 (1)	7.00	G-E	0 / 1364
K-A					A-J	0 / 1472
K-J	0 / 0	-28.0	-28.0	0.21 (3)	10.00	
J-I	0 / 1466	-28.0	-28.0	0.36 (2)	10.00	
I-H	0 / 938	-28.0	-28.0	0.28 (2)	10.00	
H-G	0 / 958	-28.0	-28.0	0.28 (2)	10.00	
G-F	0 / 0	-28.0	-28.0	0.18 (3)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. GIC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.48/1.00 (A-B:1), BC=0.36/1.00 (I-J:2), WB=0.84/1.00 (D-G:1), SS=0.28/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 822 2284 1656

PLATE PLACEMENT TOL = 0.250 inches

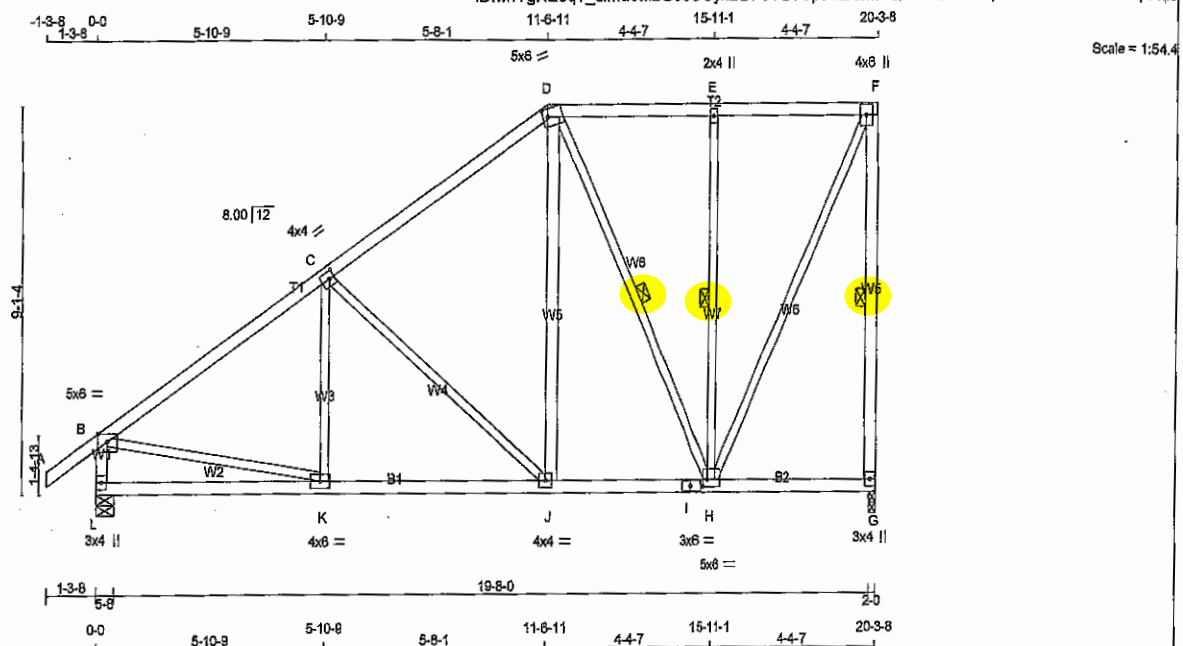
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.85 (G) (INPUT = 0.80)
JSI METAL= 0.37 (J) (INPUT = 1.00)



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DWG NO. TAM 7373-18
STRUCTURAL
COMPONENT ONLY



TOTAL WEIGHT = 4 X 108 = 432 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
J - D	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TTWV-m	MT20	5.0	6.0	2.25	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
I	BMVWV-t	MT20	5.0	6.0	2.00	1.50
J	BS-1	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	4.0		
L	BMV1+p	MT20	4.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
G	1349	0	2-0	2-0
L	1493	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX / MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT	COMBINED					
G	1075	659 / 0	213 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)	
FR-TO		FROM TO			FR-TO			
A-B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K-C	-39 / 237	0.05 (3)
B-C	-1438 / 0	-104.9	-104.9	0.50 (1)	4.84	C-J	-619 / 0	0.73 (1)
C-D	-957 / 0	-104.9	-104.9	0.47 (1)	5.70	J-D	0 / 540	0.09 (1)
D-E	-556 / 0	-104.9	-104.9	0.25 (1)	6.25	D-H	-481 / 0	0.33 (1)
E-F	-556 / 0	-104.9	-104.9	0.25 (1)	6.25	H-E	-564 / 0	0.30 (1)
G-F	-1287 / 0	0.0	0.0	0.50 (1)	5.67	H-F	0 / 1251	0.28 (1)
L-B	-1426 / 0	0.0	0.0	0.15 (1)	6.84	B-K	0 / 1251	0.28 (1)
L-K	0 / 0	-28.0	-28.0	0.24 (3)	10.00			
K-J	0 / 1230	-28.0	-28.0	0.37 (2)	10.00			
J-I	0 / 770	-28.0	-28.0	0.21 (2)	10.00			
I-H	0 / 770	-28.0	-28.0	0.21 (2)	10.00			
H-G	0 / 0	-28.0	-28.0	0.12 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	DL	PSF
	32.5	3.0	
BOT CH.	LL	DL	PSF
	10.5	7.0	
TOTAL LOAD	53.0		

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.68")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.06")
ALLOWABLE DEFL.(TL) = $L/360$ (0.68")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.09")

CSI: TC=0.50/1.00 (F-G:1), BC=0.37/1.00 (J-K:2), WS=0.73/1.00 (C-J:1), SS=0.25/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PS)	SECTION (PL)
MT20	618	854	1667

MAX MIN MAX MIN MAX MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (B) (INPUT = 0.80)
JSI METAL = 0.31 (K) (INPUT = 1.00)



DWG NO. TAM 7374-8
STRUCTURAL
COMPONENT ONLY

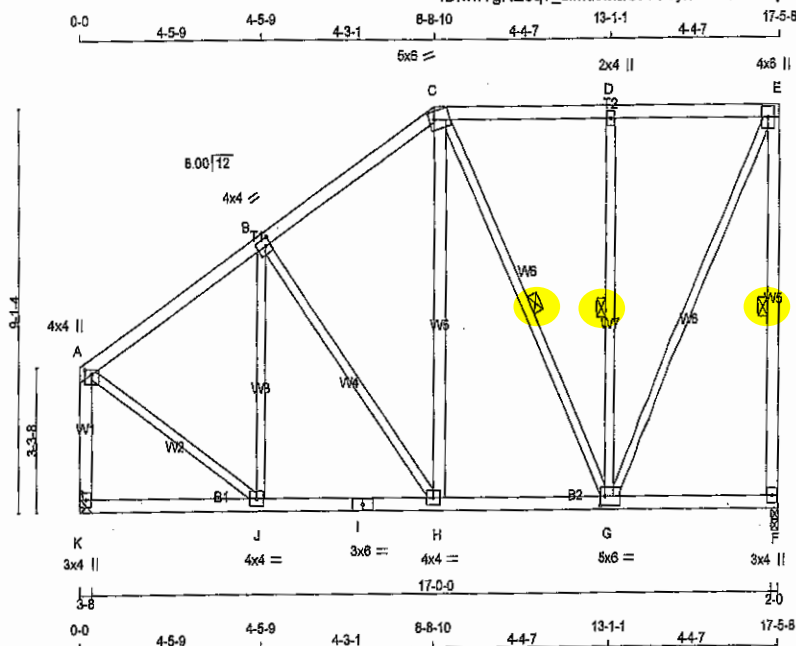
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T20A	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MITek Industries, Inc. Thu Feb 1 11:08:10 2018 Page 1

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Scale = 1:52.3

TOTAL WEIGHT = 6 X 101 = 606 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
K - A	2x4	DRY	No.2	SPF		
K - I	2x4	DRY	No.2	SPF		
I - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
H - C	2x4	DRY	No.2	SPF		

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTWV-m	MT20	5.0	6.0	2.25	1.50
D	TMVW-w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMVt+p	MT20	3.0	4.0		
G	BMVWV-t	MT20	5.0	6.0	2.50	1.50
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVt+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	DOWN	UP	IN-SX	IN-SX
F	1160	0	2-0	2-0
K	1160	0	HANGER BY OTHERS	MIN. SEAT SIZE: 3-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0	0 / 0
K	925	567 / 0	183 / 0	0 / 0	0 / 0	175 / 0	0 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.23 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO								
A-B	-808 / 0	-104.8	-104.8	0.35 (1)	6.23	J-B	-324 / 52	0.20 (1)
B-C	-725 / 0	-104.9	-104.9	0.35 (1)	6.25	B-H	-205 / 0	0.22 (1)
C-D	-463 / 0	-104.9	-104.9	0.33 (1)	6.25	H-C	0 / 300	0.05 (2)
D-E	-463 / 0	-104.9	-104.9	0.33 (1)	6.25	C-G	-284 / 0	0.18 (1)
E-F	-1109 / 0	0.0	0.0	0.43 (1)	6.02	G-D	-564 / 0	0.30 (1)
K-A	-1110 / 0	0.0	0.0	0.20 (1)	7.52	E-G	0 / 1042	0.23 (1)
K-J	0 / 0	-28.0	-28.0	0.14 (3)	10.00	A-J	0 / 538	0.19 (1)
J-I	0 / 698	-28.0	-28.0	0.21 (2)	10.00			
I-H	0 / 698	-28.0	-28.0	0.21 (2)	10.00			
H-G	0 / 581	-28.0	-28.0	0.19 (2)	10.00			
G-F	0 / 0	-28.0	-28.0	0.13 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 32.5	PSF
DL	= 3.0	PSF
BOT CH. LL	= 10.5	PSF
DL	= 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.56")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.03")
ALLOWABLE DEFL. (TL) = $L/360$ (0.56")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.05")

CS: TC=0.43/1.00 (E-F:1), BC=0.21/1.00 (H-J:2), WB=0.30/1.00 (D-G:1), SS=0.22/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

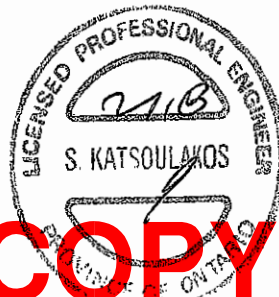
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MT20	618	354	1687
	822	2284	1655

PLATE PLACEMENT TOL. = 0.250 inches

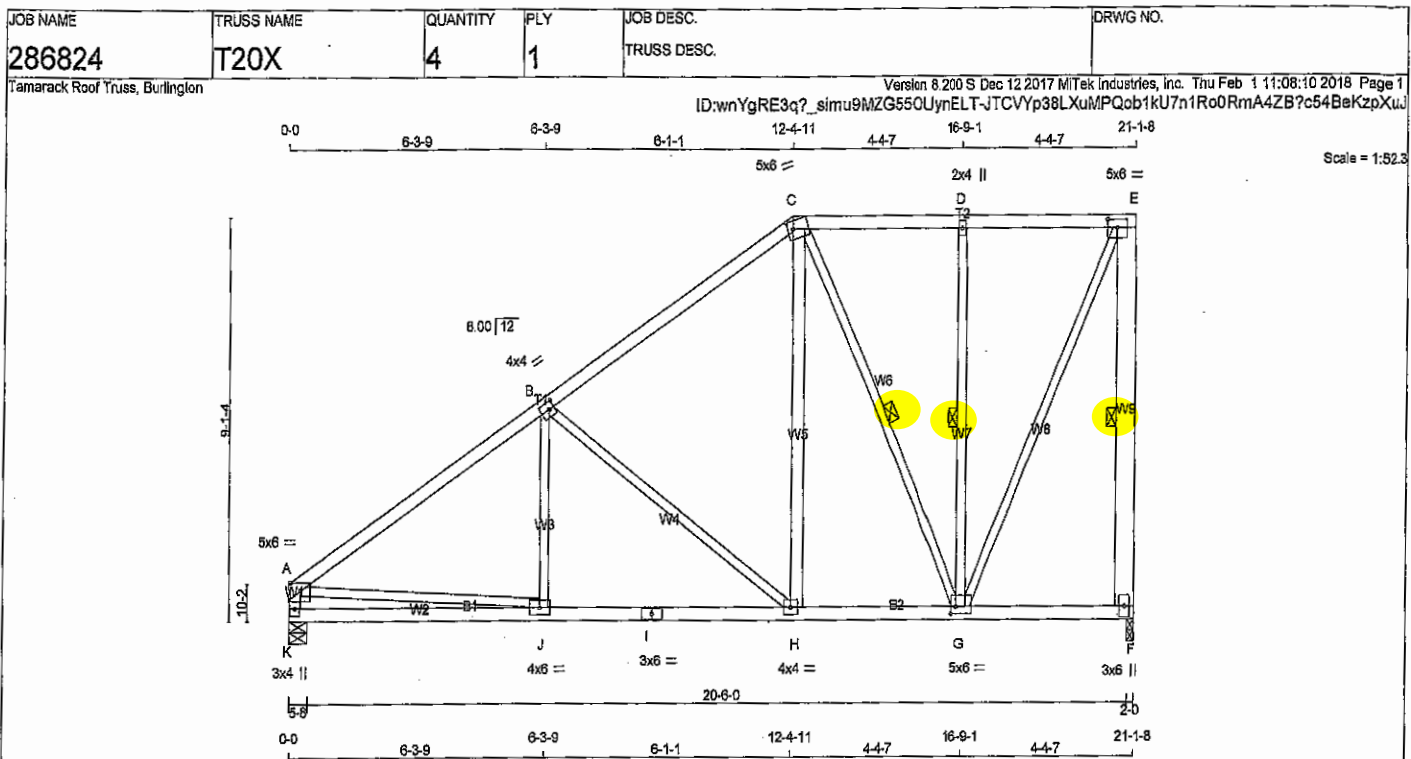
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (G) (INPUT = 0.90)
JSI METAL= 0.26 (J) (INPUT = 1.00)



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DWG NO. TAM 7375-8
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x6	DRY	No.2
K - A	2x4	DRY	No.2
K - I	2x4	DRY	No.2
I - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
H - C	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	5.0	6.0	2.25	1.50
D	TMWW-w	MT20	2.0	4.0		
E	TMWW-t	MT20	5.0	6.0	2.25	3.00
F	BMV1+p	MT20	3.0	6.0		
G	BMWW-t	MT20	5.0	6.0	2.00	1.50
H	BMWW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	DOWN	UPLIFT	IN-SX
F 1404	0	1404	0
K 1404	0	1404	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
F 1119	686/0	222/0
K 1119	686/0	222/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX FACTORED CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-1697 / 0	-104.9	-104.9	0.60 (1)	4.39	J-B	0 / 306 0.07 (3)
B-C	-1026 / 0	-104.9	-104.9	0.54 (1)	5.41	B-H	-783 / 0 0.97 (1)
C-D	-583 / 0	-104.9	-104.9	0.25 (1)	6.25	H-C	0 / 816 0.10 (1)
D-E	-583 / 0	-104.9	-104.9	0.25 (1)	6.25	C-G	-544 / 0 0.37 (1)
E-F	-1352 / 0	0.0	0.0	0.33 (1)	6.25	G-D	-564 / 0 0.30 (1)
K-A	-1333 / 0	0.0	0.0	0.13 (1)	7.02	G-E	0 / 1313 0.30 (1)
						A-J	0 / 1445 0.33 (1)
K-J	0 / 0	-28.0	-28.0	0.26 (3)	10.00		
J-I	0 / 1440	-28.0	-28.0	0.43 (2)	10.00		
I-H	0 / 1440	-28.0	-28.0	0.43 (2)	10.00		
H-G	0 / 825	-28.0	-28.0	0.23 (2)	10.00		
G-F	0 / 0	-28.0	-28.0	0.12 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
DL = 3.0	PSF	
BOT CH.	LL = 10.5	PSF
DL = 7.0	PSF	
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.70")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.07")
ALLOWABLE DEFL.(TL) = $L/360$ (0.70")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.12")

CSI: TC=0.80/1.00 (A-B:1), BC=0.43/1.00 (H-J:2), WB=0.97/1.00 (B-H:1), SI=0.26/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 822 2284 1855

PLATE PLACEMENT TOL. = 0.250 inches

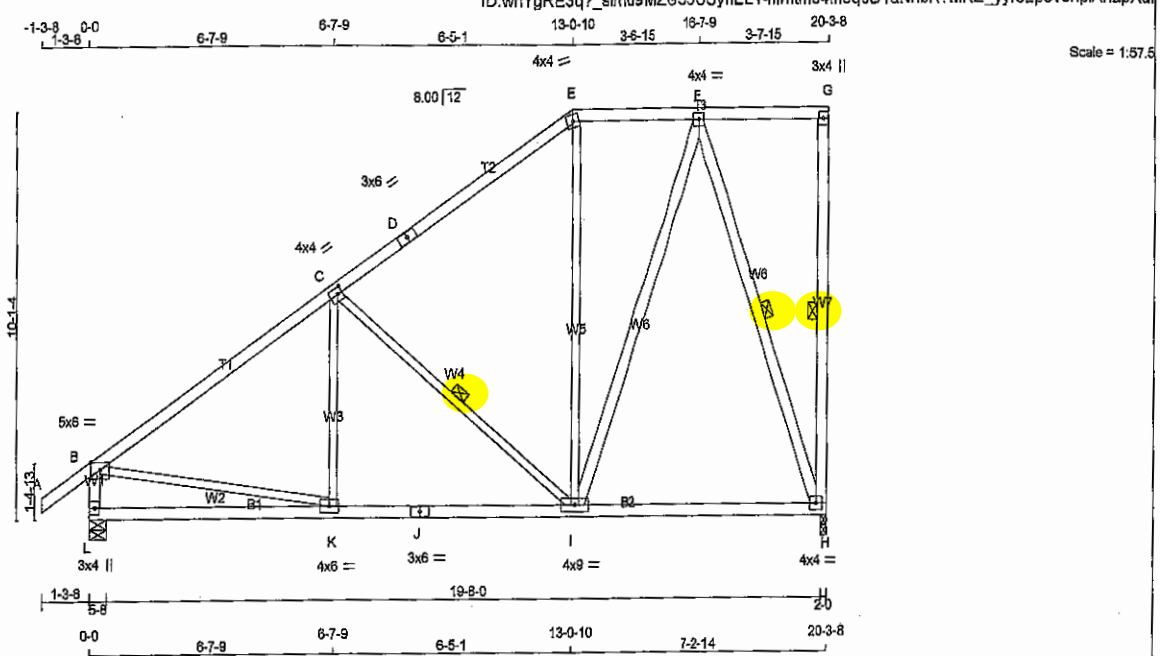
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (E) (INPUT = 0.90)
JSI METAL= 0.47 (I) (INPUT = 1.00)



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DWG NO. TAM 7376-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - H	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMV-p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	4.0		
I	BMVW-t	MT20	4.0	9.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1-p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	UPLIFT		
H	1349	0	1349	0	2-0	2-0
L	1493	0	1493	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERMLIVE			
H	1075	859 / 0	213 / 0	0 / 0	203 / 0	0 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.59 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, C-I, F-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FROM	TO			MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO		
A-B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K-C	-2 / 284	0.08 (3)
B-C	-1412 / 0	-104.9	-104.9	0.65 (1)	4.59	C-I	-739 / 0	0.37 (1)
C-D	-828 / 0	-104.9	-104.9	0.60 (1)	5.71	I-E	0 / 166	0.04 (3)
D-E	-828 / 0	-104.9	-104.9	0.60 (1)	5.71	B-K	0 / 1230	0.28 (1)
E-F	-849 / 0	-104.9	-104.9	0.18 (1)	6.25	I-F	0 / 692	0.11 (1)
F-G	0 / 0	-104.9	-104.9	0.23 (1)	10.00	F-H	-1197 / 0	0.69 (1)
H-G	-146 / 0	0.0	0.0	0.07 (1)	6.25			
L-B	-1416 / 0	0.0	0.0	0.15 (1)	6.85			
L-K	0 / 0	-28.0	-28.0	0.27 (3)	10.00			
K-J	0 / 1214	-28.0	-28.0	0.45 (2)	10.00			
J-I	0 / 1214	-28.0	-28.0	0.45 (2)	10.00			
I-H	0 / 418	-28.0	-28.0	0.37 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.65/1.00 (B-C-1), BC=0.45/1.00 (I-K-2), WB=0.69/1.00 (F-H-1), SSI=0.28/1.00 (B-C-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION	
(PSI)	(PLI)	(PLI)		
MAX	MIN	MAX	MIN	
MT20	618	354	1667	822
			2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (B) (INPUT = 0.80)
JSI METAL= 0.35 (J) (INPUT = 1.00)



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DRWG NO. TAM 7377-18
STRUCTURAL
COMPONENT ONLY



TOTAL WEIGHT = 103 lb

N. L. G. A. RULES

DESCR.	SPF	SPF	SPF	SPF	SPF

SPF
SPF
SPF

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BUILDING BEARINGS

FACTORED GROSS REACTION			MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQ'D BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	1160	0	1160	0	0	2-0	2-0
J	1180	0	1160	0	0	HANGER BY OTHERS	
							MIN. SEAT SIZE: 3-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	925	587/0	183/0	0/0	0/0	175/0	0/0
J	925	567/0	183/0	0/0	0/0	175/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.19 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY
APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1. LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, B-G, D-F.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC. LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-828 / 0	-104.9	-104.9 0.36 (1)	6.19	I-B	-288 / 79	0.21 (1)
B-C	-652 / 0	-104.9	-104.9 0.36 (1)	6.25	B-G	-335 / 0	0.15 (1)
C-D	-511 / 0	-104.9	-104.9 0.18 (1)	6.25	G-C	0 / 131	0.03 (3)
D-E	0 / 0	-104.9	-104.9 0.23 (1)	10.00	A-I	0 / 827	0.19 (1)
F-E	-146 / 0	0.0	0.0 0.07 (1)	6.25	G-D	0 / 490	0.06 (1)
J-A	-1098 / 0	0.0	0.0 0.20 (1)	7.55	D-F	-995 / 0	0.57 (1)
J-I	0 / 0	-28.0	-28.0 0.16 (2)	10.00			
I-H	0 / 719	-28.0	-28.0 0.38 (2)	10.00			
H-G	0 / 719	-28.0	-28.0 0.38 (2)	10.00			
G-F	0 / 348	-28.0	-28.0 0.34 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A
SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL
OR SMALL BUILDING REQUIREMENTS OF
PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-08
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= $L/360$ (0.58")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.10")
 ALLOWABLE DEFL.(TL)= $L/360$ (0.58")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.17")

CSI: TC=0.36/1.00 (A-B:1), BC=0.38/1.00 (G-I:2),
WB=0.57/1.00 (D-F:1), SSI=0.22/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP(DRY)		SHEAR		SECTION
	(PSI)		(PLI)		(PLI)
	MAX	MIN	MAX	MIN	MAX MIN
MT20	618	354	1667	822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

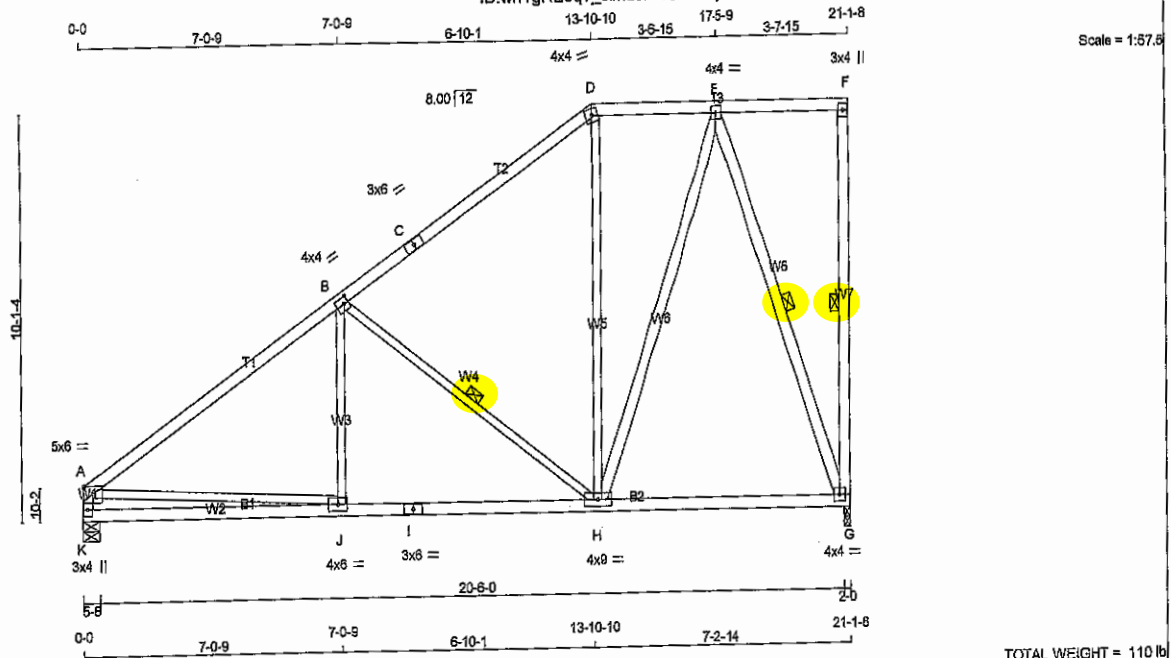
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (I) (INPUT = 0.90)
JSI METAL= 0.27 (I) (INPUT = 1.00)



DWG NO. TAM 7378-18
STRUCTURAL
COMPONENT ONLY

SITE COPY



TOTAL WEIGHT = 110 lb

LUMBER	CHORDS	SIZE	DRY	No.2	DESCR.	SPF
N. L. G. A. RULES						
A - C	2x4	DRY	No.2	SPF		
C - D	2x4	DRY	No.2	SPF		
D - F	2x4	DRY	No.2	SPF		
G - F	2x4	DRY	No.2	SPF		
K - A	2x4	DRY	No.2	SPF		
K - I	2x4	DRY	No.2	SPF		
I - G	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
H - E	2x4	DRY	No.2	SPF		
E - G	2x4	DRY	No.2	SPF		

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMVW-l	MT20	4.0	4.0	2.00	1.50
C	TS-l	MT20	3.0	5.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-l	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW-l	MT20	4.0	4.0		
H	BMVW-l	MT20	4.0	9.0		
I	BS-l	MT20	3.0	6.0		
J	BMVW-l	MT20	4.0	6.0		
K	BMV+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
G	1404	0	1404	0
K	1404	0	1404	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM	LIVE
G	1119	686	10	0	0
K	1119	686	10	0	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.06 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, B-H, E-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1	MAX. LC2	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1	MAX. LC2
FR-TO							FR-TO				
A-B	-1639	0	-104.9	-104.9	0.78 (1)	4.08	J-B	0	330	0.07 (3)	
B-C	-879	0	-104.9	-104.9	0.69 (1)	5.36	B-H	-895	0	0.46 (1)	
C-D	-879	0	-104.9	-104.9	0.69 (1)	5.36	H-D	0	176	0.04 (9)	
D-E	-890	0	-104.9	-104.9	0.18 (1)	6.25	A-J	0	1409	0.32 (1)	
E-F	0	0	-104.9	-104.9	0.23 (1)	10.00	H-E	0	751	0.12 (1)	
G-F	-148	0	0	0	0.07 (1)	6.25	E-G	-1257	0	0.72 (1)	
K-A	-1323	0	0	0	0.13 (1)	7.03					
K-J	0	0	-28.0	-28.0	0.32 (3)	10.00					
J-I	0	1405	-28.0	-28.0	0.48 (2)	10.00					
I-H	0	1405	-28.0	-28.0	0.48 (2)	10.00					
H-G	0	1439	-28.0	-28.0	0.38 (2)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
DL = 3.0	PSF	
BOT CH.	LL = 10.5	PSF
DL = 7.0	PSF	
TOTAL LOAD = 53.0	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.18")

CSI: TC=0.78/1.00 (A-B:1), SC=0.48/1.00 (H-J:2), WB=0.72/1.00 (E-G:1), SSI=0.30/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 622 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

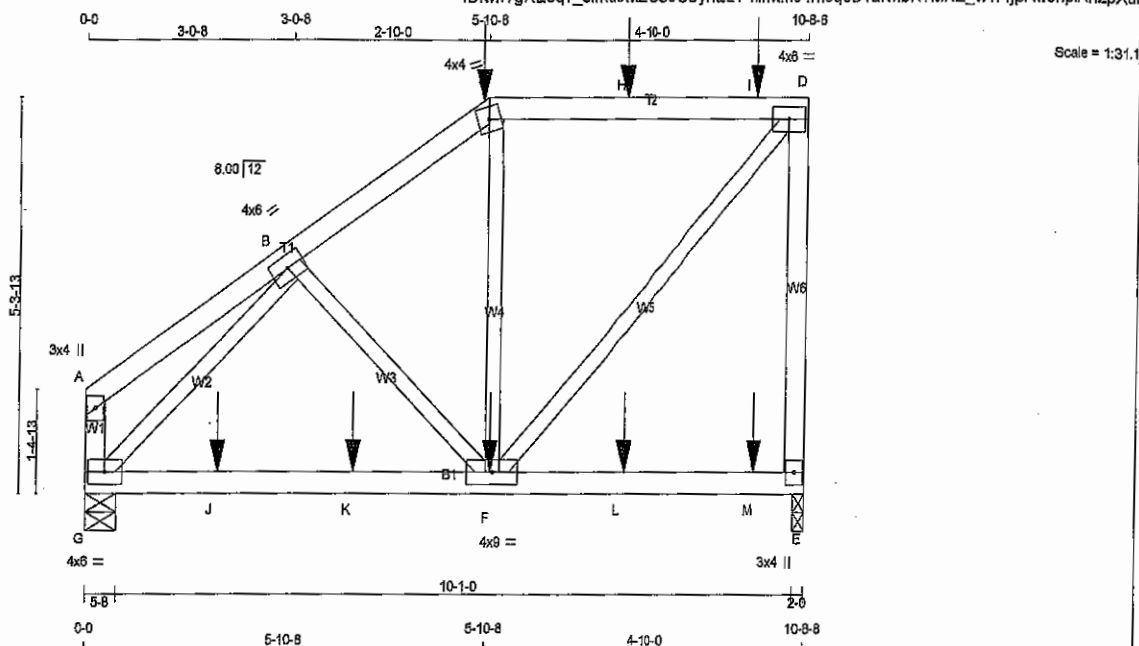
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (E) (INPUT = 0.90)
JSI METAL= 0.37 (I) (INPUT = 1.00)



DRWG NO. TAM 7379-18
STRUCTURAL
COMPONENT ONLY

SITE COPY



TOTAL WEIGHT = 2 X 48 = 96 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
G - A	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	6.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	6.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVW-t	MT20	4.0	9.0		
G	BMVW-t	MT20	4.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 550.0 lbs FACTORED DOWN AT 5-10-8, AND 128.3 lbs FACTORED DOWN AT 7-11-4, AND 138.3 lbs FACTORED DOWN AT 9-11-4 ON TOP CHORD, AND 81.5 lbs FACTORED DOWN AT 1-11-4, 71.7 lbs FACTORED DOWN AT 3-11-4, 71.7 lbs FACTORED DOWN AT 5-11-4, AND 71.7 lbs FACTORED DOWN AT 7-11-4, AND 77.4 lbs FACTORED DOWN AT 9-11-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
E	1356	0	1356	0
G	1109	0	1109	0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	1075	668 / 0	207 / 0	0 / 0	0 / 0	0 / 0	200 / 0	0 / 0
G	894	532 / 0	168 / 0	0 / 0	0 / 0	0 / 0	174 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO		FR-TO		
A-B	0 / 19	-104.9 -104.9	0.15 (1)	10.00	B-F	-56 / 75
B-C	-993 / 0	-104.9 -104.9	0.16 (1)	6.04	F-C	-478 / 137
C-H	-799 / 0	-104.9 -104.9	0.78 (1)	5.05	F-D	0 / 1166
H-I	-799 / 0	-104.9 -104.9	0.78 (1)	5.05	G-B	-1222 / 0
I-D	-799 / 0	-104.9 -104.9	0.78 (1)	5.05		
E-D	-1270 / 0	0.0	0.0	7.11		
G-A	-120 / 0	0.0	0.0	0.01 (1)	7.81	
G-J	0 / 849	-28.0	-28.0	0.54 (2)	10.00	
J-K	0 / 849	-28.0	-28.0	0.54 (2)	10.00	
K-F	0 / 849	-28.0	-28.0	0.54 (2)	10.00	
F-L	0 / 0	-28.0	-28.0	0.45 (3)	10.00	
L-M	0 / 0	-28.0	-28.0	0.45 (3)	10.00	
M-E	0 / 0	-28.0	-28.0	0.45 (3)	10.00	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
C	5-10-8	-550	-550	---	FRONT	VERT	TOTAL
F	5-11-4	-41	-72	---	FRONT	VERT	TOTAL
H	7-11-4	-126	-126	---	FRONT	VERT	TOTAL
I	9-11-4	-138	-138	---	FRONT	VERT	TOTAL
J	1-11-4	-59	-81	---	FRONT	VERT	TOTAL
K	3-11-4	-41	-72	---	FRONT	VERT	TOTAL
L	7-11-4	-41	-72	---	FRONT	VERT	TOTAL
M	9-11-4	-44	-77	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
 - PART 9 OF OBC 2012, BCBC 2012, ABC 2014
 - CSA 088-09
 - TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
 ALLOWABLE DEFL.(TL) = L/360 (0.36")
 CALCULATED VERT. DEFL.(TL) = L/930 (0.14")

CSI: TC=0.78/1.00 (C-D:1), BC=0.54/1.00 (F-G:2), WB=0.37/1.00 (B-G:1), SSI=0.36/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1657 822

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (F) (INPUT = 0.90)

JSI METAL= 0.30 (B) (INPUT = 1.00)



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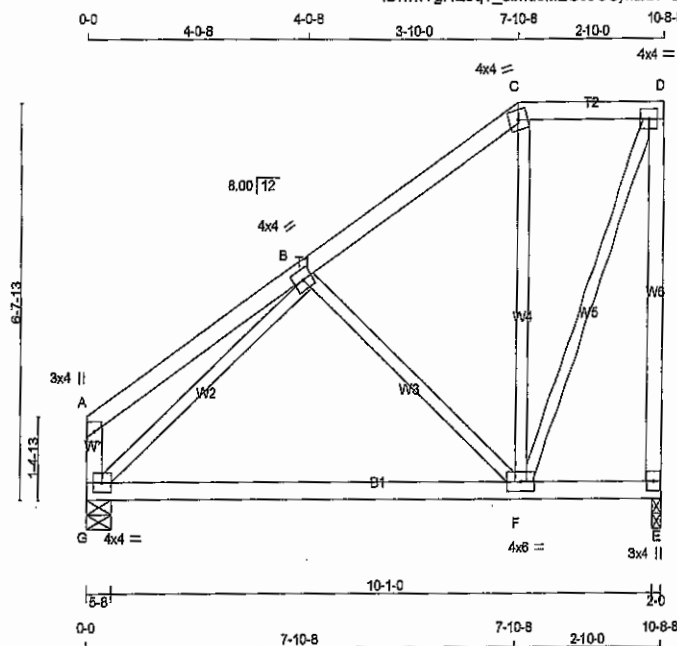
DRWG NO. TAM 7380-3
 STRUCTURAL
 COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T23	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 11:08:12 2018 Page 1

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Scale = 1:38.8

TOTAL WEIGHT = 2 X 53 = 106 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF
A - C	2x4	DRY	No.2	SPF			
C - D	2x4	DRY	No.2	SPF			
E - D	2x4	DRY	No.2	SPF			
G - A	2x4	DRY	No.2	SPF			
G - E	2x4	DRY	No.2	SPF			
ALL WEBS	2x3	DRY	No.2	SPF			
EXCEPT							

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-I	MT20	4.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW-I	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW-I	MT20	4.0	6.0		
G	BMVW1-I	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	712	0	712	0	2-0	5-8
G	712	0	712	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	567	348 / 0	112 / 0	0 / 0	0 / 0	107 / 0	0 / 0
G	567	348 / 0	112 / 0	0 / 0	0 / 0	107 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO				FR-TO			
A-B	0 / 28	-104.9	-104.9	0.27 (1)	10.00	B-F	-324 / 2	0.16 (1)	
B-C	-333 / 0	-104.9	-104.9	0.21 (1)	6.25	F-C	-138 / 72	0.10 (1)	
C-D	-251 / 0	-104.9	-104.9	0.11 (1)	6.25	F-D	0 / 637	0.14 (1)	
E-D	-733 / 0	0.0	0.0	0.68 (1)	7.81	G-B	-676 / 0	0.32 (1)	
G-A	-156 / 0	0.0	0.0	0.02 (1)	7.81				
G-F	0 / 492	-28.0	-28.0	0.44 (2)	10.00				
F-E	0 / 0	-28.0	-28.0	0.40 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	32.5	PSF
DL	=	3.0	PSF
BOT CH. LL	=	10.5	PSF
DL	=	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/863 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/519 (0.25")

CSI: TC=0.68/1.00 (D-E:1), BC=0.44/1.00 (F-G:2), WB=0.32/1.00 (B-G:1), SS=0.18/1.00 (F-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1687 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

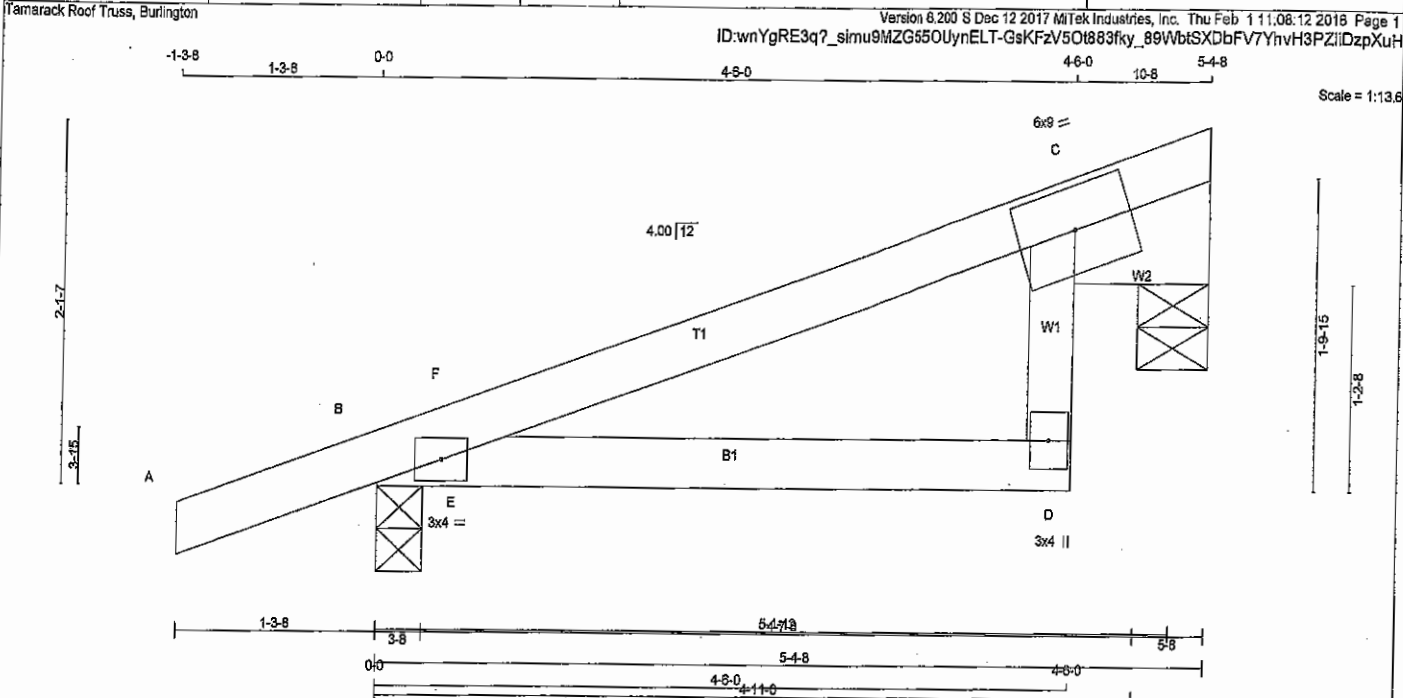
JSI GRIP= 0.89 (F) (INPUT = 0.60)

JSI METAL= 0.22 (B) (INPUT = 1.00)



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DRWG NO. TAM 7381-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
D - C	2x4	DRY	No.2
B - D	2x4	DRY	No.2

SPF
SPF
SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMVW1-t	MT20	6.0	9.0		
D	BMV+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
C	299	0	299	0	5-8	5-8
B	439	0	439	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
C	238	146/0	47/0	0/0	0/0	45/0
B	333	233/0	47/0	0/0	0/0	53/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. FACTORED UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO	CSI (LC)	FR-TO			
A-B	0/21	-104.9 -104.9	0.13 (1)	10.00	E-F	-215/107	0.00 (1)
B-F	-38/0	-104.9 -104.9	0.09 (3)	6.25			
F-C	0/5	-104.9 -104.9	0.28 (1)	10.00			
D-C	0/108	0.0 0.0	0.02 (2)	10.00			
B-E	0/0	-28.0 -28.0	0.20 (1)	10.00			
E-D	0/0	-28.0 -28.0	0.21 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. G/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/835$ (0.06")

CSI: TC=0.28/1.00 (C-F:1), BC=0.21/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.19/1.00 (B-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION	
(PSI)	(PL)	(PL)	(PL)	
MAX	MIN	MAX	MIN	
MT20	615	354	1687	822
				2284
				1656

PLATE PLACEMENT TOL. = 0.250 inches

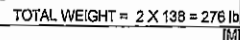
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.25 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



DWG NO. TAM 7362-18
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JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.54 (L) (INPUT = 1.00)

JOB NAME 286822	TRUSS NAME T25Z	QUANTITY 1	PLY 2	JOB DESC. 44755 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 11:02:24 2018 Page 2
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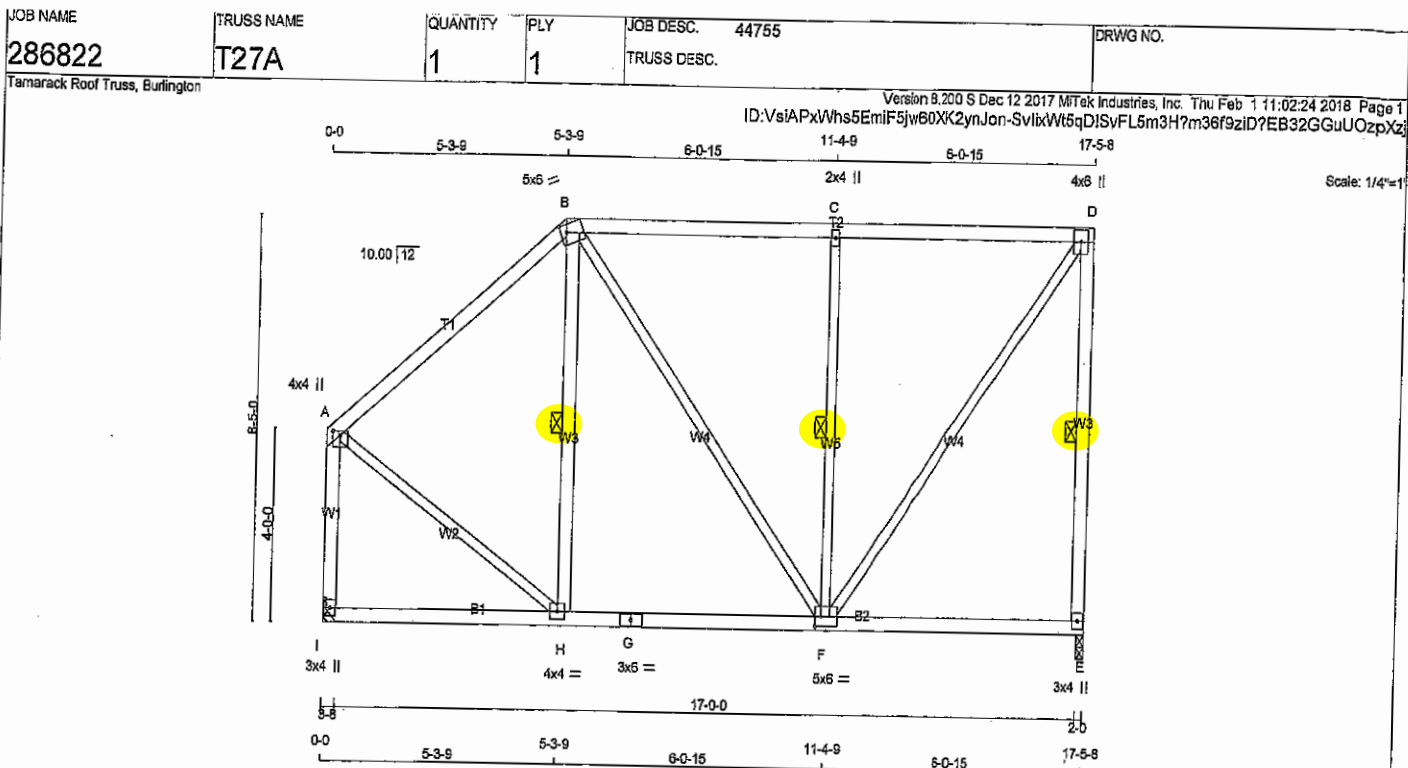
HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S)
REQUIRED TO SUPPORT CONCENTRATED
LOAD(S) 6336.2 lbs FACTORED DOWN AT 2-8-8
ON BOTTOM CHORD. DESIGN FOR
UNSPECIFIED CONNECTION(S) IS DELEGATED
TO THE BUILDING DESIGNER.



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DWG NO. TAM 7358-18
STRUCTURAL
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LUMBER
N. L. G. A. RULES

CHORDS	SIZE	LUMBER
A - B	2x4 DRY	No.2
B - D	2x4 DRY	No.2
E - D	2x4 DRY	No.2
I - A	2x4 DRY	No.2
I - G	2x4 DRY	No.2
G - E	2x4 DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT
H - B 2x4 DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
B	TTWW-m	MT20	5.0	6.0	2.00	1.50
C	TMVW-w	MT20	2.0	4.0		
D	TMVW+p	MT20	4.0	6.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW-H	MT20	5.0	6.0	2.50	1.50
G	BS-H	MT20	3.0	6.0		
H	BMVWW-H	MT20	4.0	4.0		
I	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
E	1160	0	1160	0
I	1160	0	1160	0

MIN. SEAT SIZE: 3-8

UNFACTORED REACTIONS

	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	925	567 / 0	163 / 0	0 / 0	0 / 0	175 / 0	0 / 0
I	925	567 / 0	163 / 0	0 / 0	0 / 0	175 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 5.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-E, B-H, C-F.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-710 / 0	-104.9 -104.9	0.55 (1)	6.15	H-B	-193 / 137	0.06 (1)
B-C	-635 / 0	-104.9 -104.9	0.68 (1)	5.98	B-F	0 / 158	0.04 (1)
C-D	-839 / 0	-104.9 -104.9	0.68 (1)	5.98	F-C	-791 / 0	0.36 (1)
E-D	-1091 / 0	0.0	0.0 0.35 (1)	6.05	F-D	0 / 1061	0.24 (1)
I-A	-1100 / 0	0.0	0.0 0.30 (1)	7.55	A-H	0 / 658	0.15 (1)
I-H	0 / 0	-28.0 -28.0	0.20 (2)	10.00			
H-G	0 / 541	-28.0 -28.0	0.30 (2)	10.00			
G-F	0 / 541	-28.0 -28.0	0.30 (2)	10.00			
F-E	0 / 0	-28.0 -28.0	0.25 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5 PSF
	DL = 3.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 53.0 PSF

SPACING = 24.0 IN. O/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.58")
CALCULATED VERT. DEFL.(LL)= L/999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.58")
CALCULATED VERT. DEFL.(TL)= L/999 (0.09")

CSI TC=0.68/1.00 (C-D:1), BC=0.30/1.00 (F-H:2),
WB=0.36/1.00 (C-F:1), GSI=0.31/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
	MAX	MIN	MAX MIN
MT20	518	354	1667 822 2284 1656

PLATE PLACEMENT TOL = 0.250 inches

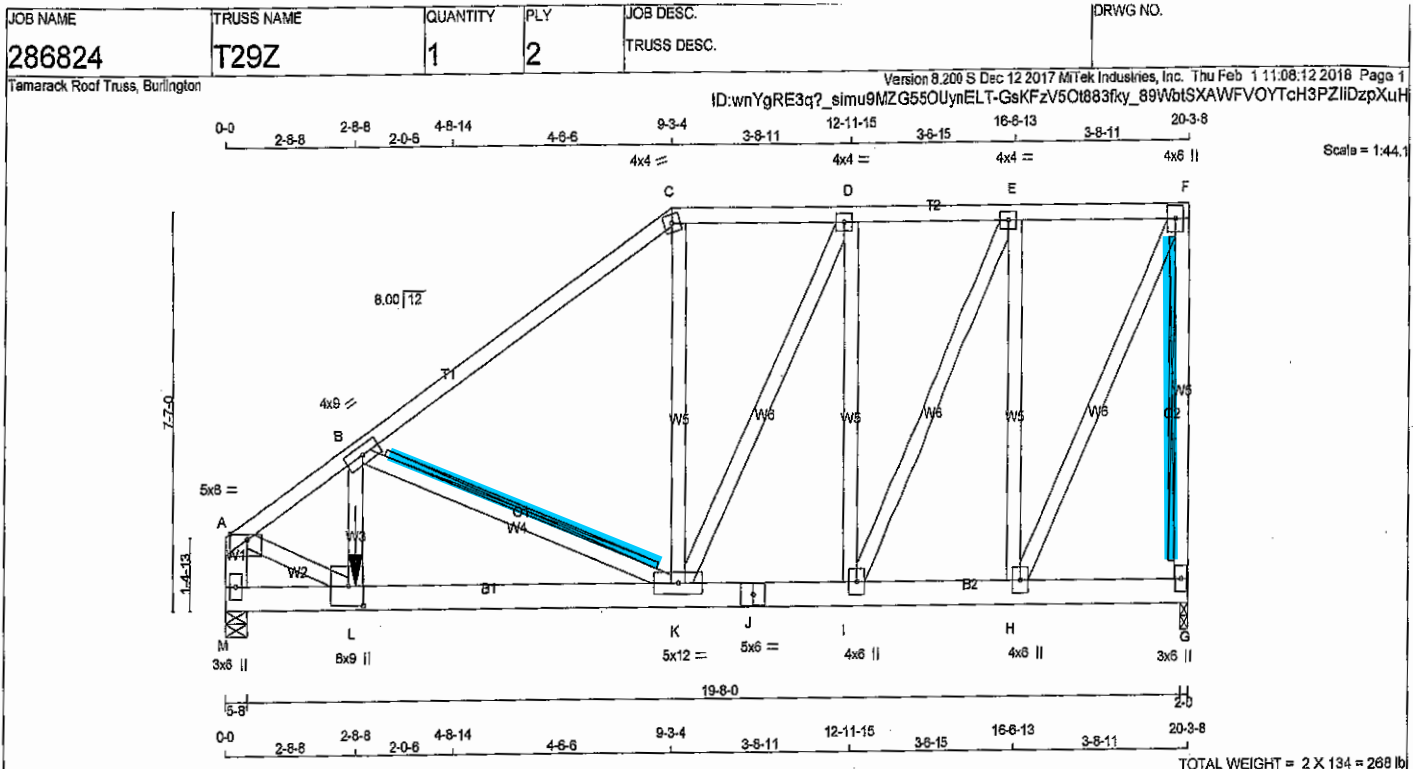
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.84 (A) (INPUT = 0.90)
JSI METAL= 0.24 (A) (INPUT = 1.00)



DRWG NO. TAM 7359-18
STRUCTURAL
COMPONENT ONLY

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CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
M - A	2x6	DRY	No.2	SPF
M - J	2x6	DRY	2100F 1.8E	SPF
J - G	2x6	DRY	2100F 1.8E	SPF

ALL WEBS 2x4 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-C 1 12		TOP
C-F 1 12		TOP
F-G 1 12		TOP
M-A 2 12		TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M-J 2 9		SIDE(329.7)
J-G 2 12		TOP
WEBS: (0.122"x3") SPIRAL NAILS		
B-L 2 2		SIDE(1286.9)
2x4 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLYS FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	8.0	1.25	4.25
B	TMVW+l	MT20	4.0	9.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW+l	MT20	4.0	4.0		
E	TMVW+l	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMVW+l	MT20	4.0	6.0		
I	BMVW+l	MT20	4.0	6.0		
J	BS-l	MT20	5.0	6.0		
K	BMVW+l	MT20	5.0	12.0		
L	BMVW+l	MT20	8.0	9.0	4.50	3.75
M	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 6120.2 lbs FACTORED DOWN AT 2-8-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	UPLIFT
JT	2165	0	2165	0
G	2165	0	2165	0
M	6852	0	6852	0

UNFACTORED REACTIONS

	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	1714	1071/0	327/0	0/0	0/0	317/0	0/0
G	5225	3334/0	951/0	0/0	0/0	941/0	0/0
M							

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.16 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x4 DRY SPF No.2 T-BRACE AT F-G, B-K

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX.	MAX.	MEMB.	MAX. FACTORED	FORCE	MAX.
MEMB.	FORCE	VERT. LOAD	LC1	MAX.	MAX.	MEMB.	MAX. FACTORED	FORCE	MAX.	
	(LBS)	(PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	(LBS)	CS1 (LC)		
A-B	-7407/0	-104.9	-104.9	0.47 (1)	3.16	K-C	0/1004	0.09 (1)		
B-C	-2664/0	-104.9	-104.9	0.41 (1)	5.18	L-B	0/3895	0.33 (1)		
C-D	-2209/0	-104.9	-104.9	0.11 (1)	5.88	A-L	0/6833	0.59 (1)		
D-E	-1709/0	-104.9	-104.9	0.11 (1)	6.25	B-K	-4374/0	0.92 (1)		
E-F	-1013/0	-104.9	-104.9	0.11 (1)	6.25	K-D	0/1126	0.10 (1)		
G-F	-2120/0	0.0	0.0	0.44 (1)	7.81	I-D	-1411/0	0.50 (1)		
M-A	-8448/0	0.0	0.0	0.23 (1)	5.85	I-E	0/1587	0.14 (1)		
						H-E	-1828/0	0.65 (1)		
						H-F	0/2207	0.20 (1)		
M-L	0/0	-28.0	-28.0	0.09 (1)	10.00					
L-K	0/6225	-28.0	-28.0	0.25 (1)	10.00					
K-J	0/1709	-28.0	-28.0	0.09 (1)	10.00					
J-I	0/1709	-28.0	-28.0	0.09 (1)	10.00					
I-H	0/1013	-28.0	-28.0	0.04 (1)	10.00					
H-G	0/0	-28.0	-28.0	0.01 (3)	10.00					

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	TOTAL
L	2-8-8	-6120	-6120		FRONT	VERT		2148



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. O.C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.47/1.00 (A-B-1), BC=0.25/1.00 (K-L-1), WB=0.92/1.00 (B-K-1), SS=0.14/1.00 (B-C-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1687
	822	2284	1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (B) (INPUT = 0.90)
JSI METAL= 0.60 (A) (INPUT = 1.00)

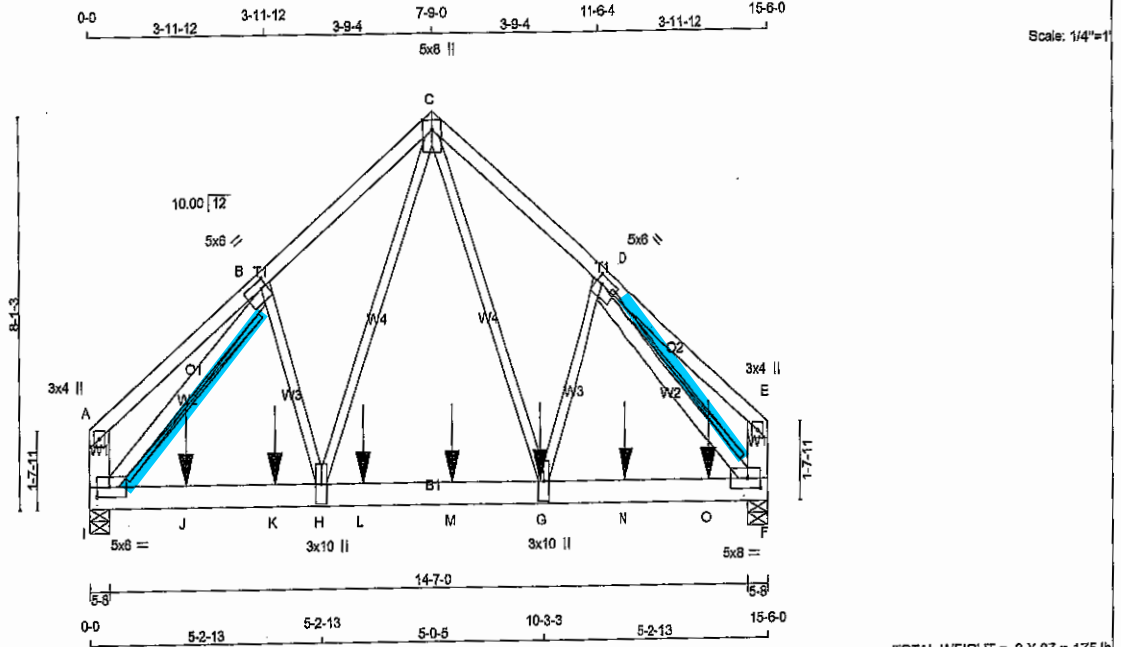
DWG NO. TAM 7383-18
STRUCTURAL
COMPONENT ONLY

SITE COPY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	44755	DRWG NO.
286820	T32	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 10:58:48 2018 Page 1
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TOTAL WEIGHT = 2 X 87 = 175 lb

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
I - A	2x6	DRY No.2	SPF
F - E	2x6	DRY No.2	SPF
I - F	2x6	DRY 2100F 1.8E	SPF

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
I - B	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - E	12	TOP
I - A	12	TOP
F - E	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
I - F	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
2x4	8	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-l	MT20	5.0	6.0	2.00	1.50
C	TTWW+p	MT20	5.0	8.0	Edge	
D	TMWW-l	MT20	5.0	6.0	2.00	1.50
E	TMV+p	MT20	3.0	4.0		
F	BMVW-l	MT20	5.0	8.0	2.50	3.50
G	BMVW-l	MT20	3.0	10.0		
H	BMVW-l	MT20	3.0	10.0		
I	BMVW-l	MT20	5.0	8.0	2.50	3.50

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES
1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
I	5572	0	5572	0	5-8
F	6121	0	6121	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX	MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM	LIVE	
I	4399	2768 / 0	825 / 0	0 / 0	0 / 0	806 / 0
F	4832	3042 / 0	906 / 0	0 / 0	0 / 0	885 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) I, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x4 DRY SPF No.2 T-BRACE AT B, D, F

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED MAX. CSI (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED MAX. CSI (LC)
FR-TO						FR-TO			
A-B	-3/20	-104.9	-104.9	0.10 (1)	10.00	C-G	0/3501	0.45 (1)	
B-C	-5448 / 0	-104.9	-104.9	0.25 (1)	3.99	G-D	0/681	0.08 (1)	
C-D	-5531 / 0	-104.9	-104.9	0.26 (1)	3.98	H-C	0/3397	0.42 (1)	
D-E	-3/20	-104.9	-104.9	0.10 (1)	10.00	B-H	0/664	0.08 (1)	
I-A	-168 / 0	0.0	0.0	0.01 (1)	7.81	I-B	-8055 / 0	0.78 (1)	
F-E	-188 / 0	0.0	0.0	0.01 (1)	7.81	D-F	-8144 / 0	0.77 (1)	
I-J	0/3965	-28.0	-28.0	0.45 (1)	10.00				
J-K	0/3965	-28.0	-28.0	0.45 (1)	10.00				
K-H	0/3965	-28.0	-28.0	0.45 (1)	10.00				
H-L	0/3114	-28.0	-28.0	0.42 (1)	10.00				
L-M	0/3114	-28.0	-28.0	0.42 (1)	10.00				
M-G	0/3114	-28.0	-28.0	0.42 (1)	10.00				
G-N	0/4023	-28.0	-28.0	0.45 (1)	10.00				
N-O	0/4023	-28.0	-28.0	0.45 (1)	10.00				
O-F	0/4023	-28.0	-28.0	0.45 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TOTAL
G	10-2-4	-1376	-1376		BACK	VERT	TOTAL
J	2-2-4	-1376	-1376		BACK	VERT	TOTAL
K	4-2-4	-1376	-1376		BACK	VERT	TOTAL
L	6-2-4	-1376	-1376		BACK	VERT	TOTAL
M	8-2-4	-1376	-1376		BACK	VERT	TOTAL
N	12-2-4	-1376	-1376		BACK	VERT	TOTAL
O	14-2-4	-1376	-1376		BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	CL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	CL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.52")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.09")
ALLOWABLE DEFL.(TL) = $L/360$ (0.52")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.14")

CSI: $TC=0.26/1.00$ (C-D:1), $BC=0.45/1.00$ (F-G:1),
 $WB=0.77/1.00$ (D-F:1), $SSI=0.69/1.00$ (H-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (I) (INPUT = 0.80)
JSI METAL= 0.73 (B) (INPUT = 1.00)

DRWG NO. TAM 7346-18
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	44755	DRWG NO.
286820	T32	1	2	TRUSS DESC.		

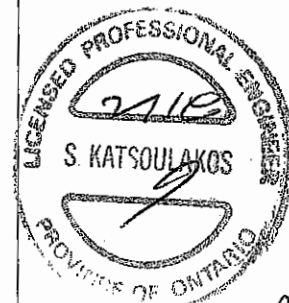
Tamarack Roof Truss, Burlington

Version 8.200 8 Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 10:56:48 2018 Page 2

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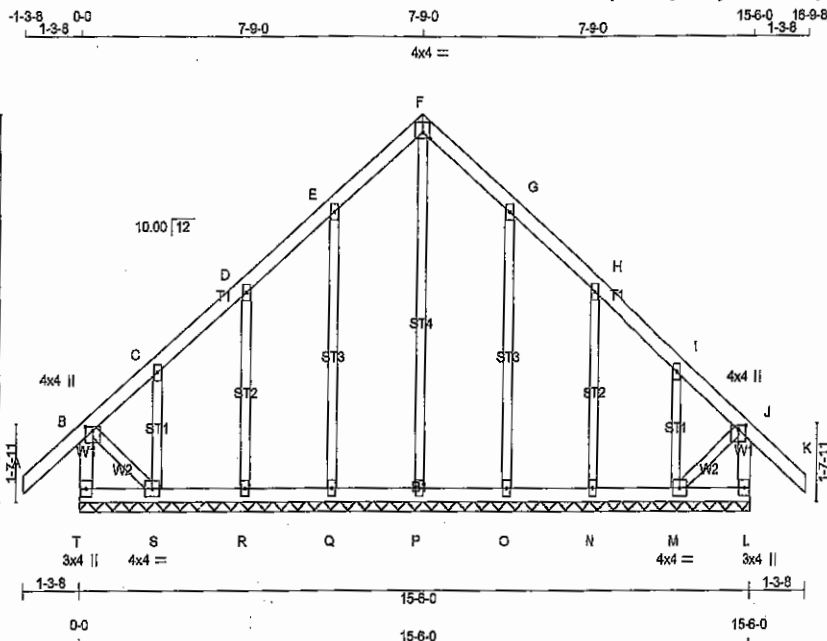
HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1376.1 lbs FACTORED DOWN AT 2-2-4, 1376.1 lbs FACTORED DOWN AT 4-2-4, 1376.1 lbs FACTORED DOWN AT 6-2-4, 1376.1 lbs FACTORED DOWN AT 8-2-4, 1376.1 lbs FACTORED DOWN AT 10-2-4, AND 1376.1 lbs FACTORED DOWN AT 12-2-4, AND 1376.1 lbs FACTORED DOWN AT 14-1-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



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DRWG NO. TAM 2346-18
STRUCTURAL
COMPONENT ONLY



Scale: 1/4"=1'

TOTAL WEIGHT = 77 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
T - B	2x4	DRY	No.2
A - F	2x4	DRY	No.2
F - K	2x4	DRY	No.2
L - J	2x4	DRY	No.2
T - L	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, G, H, I						
C	TMVW+w	MT20	2.0	4.0		
F	TTW+p	MT20	4.0	4.0	1.50	2.00
J	TMVW+p	MT20	4.0	4.0	1.00	2.00
L	BMV1+p	MT20	3.0	4.0		
M	BMVW1-I	MT20	4.0	4.0		
N, O, P, Q, R						
N	BMV1+w	MT20	2.0	4.0		
S	BMVW1-I	MT20	4.0	4.0		
T	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
T-B	-328 / 0	0.0	0.0 (1)	7.81	P-F	-153 / 0	0.19 (1)
A-B	0 / 47	-104.9	-104.9 (1)	10.00	Q-E	-236 / 0	0.18 (1)
B-C	-69 / 0	-104.9	-104.9 (1)	8.25	R-D	-215 / 0	0.07 (1)
C-D	-23 / 0	-104.9	-104.9 (1)	8.25	S-C	-124 / 0	0.02 (1)
D-E	-22 / 0	-104.9	-104.9 (1)	8.25	O-G	-236 / 0	0.16 (1)
E-F	-33 / 0	-104.9	-104.9 (1)	8.25	N-H	-215 / 0	0.07 (1)
F-G	-33 / 0	-104.9	-104.9 (1)	8.25	M-I	-124 / 0	0.02 (1)
G-H	-22 / 0	-104.9	-104.9 (1)	8.25	B-S	0 / 34	0.01 (1)
H-I	-23 / 0	-104.9	-104.9 (1)	8.25	M-J	0 / 34	0.01 (1)
I-J	-69 / 0	-104.9	-104.9 (1)	8.25			
J-K	0 / 47	-104.9	-104.9 (1)	10.00			
L-J	-328 / 0	0.0	0.0 (1)	7.81			
T-S	0 / 0	-28.0	-28.0 (2)	10.00			
S-R	0 / 23	-28.0	-28.0 (2)	10.00			
R-Q	0 / 19	-28.0	-28.0 (2)	10.00			
Q-P	0 / 15	-28.0	-28.0 (2)	10.00			
P-O	0 / 15	-28.0	-28.0 (2)	10.00			
O-N	0 / 19	-28.0	-28.0 (2)	10.00			
N-M	0 / 23	-28.0	-28.0 (2)	10.00			
M-L	0 / 0	-28.0	-28.0 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. G.C.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B:1), BC=0.03/1.00 (R-S:2), WB=0.19/1.00 (F-P:1), SSI=0.09/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1667 622 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

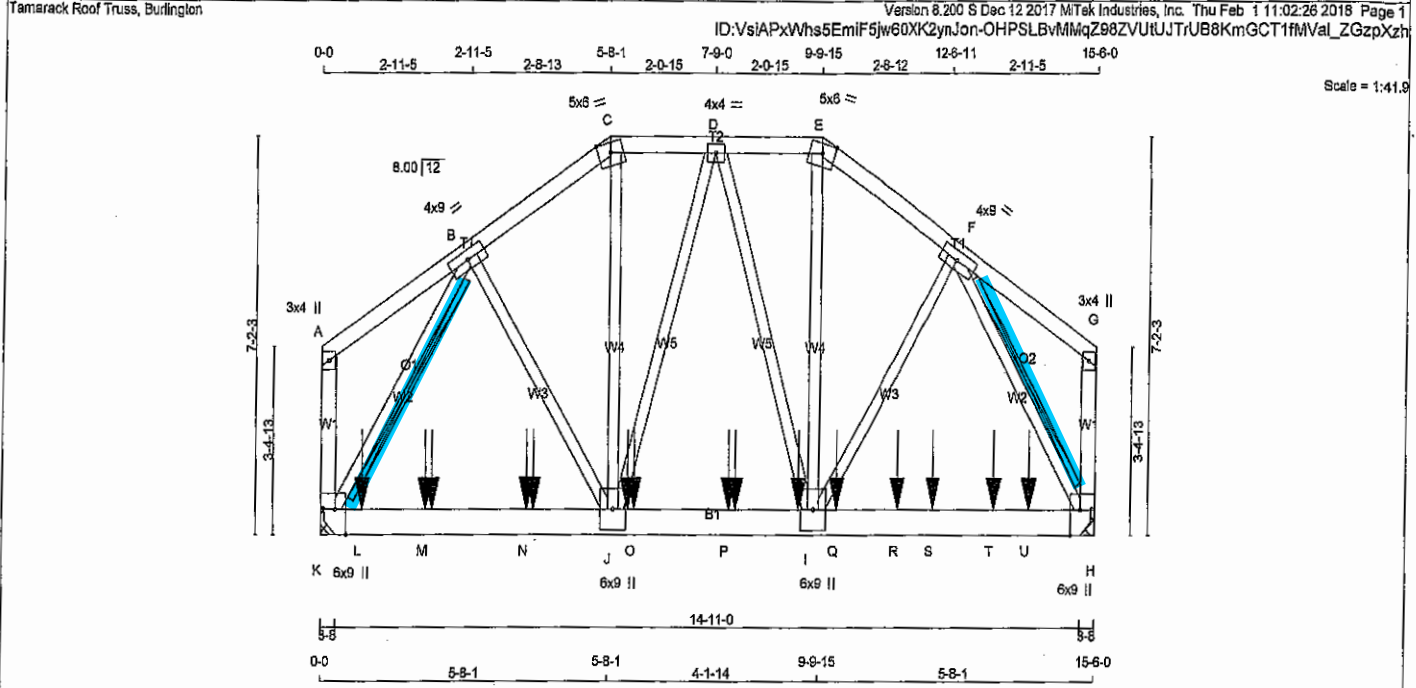
JSI GRIP= 0.25 (F) (INPUT = 0.90)
JSI METAL= 0.06 (E) (INPUT = 1.00)



DWG NO. TAM 734B-18
STRUCTURAL
COMPONENT ONLY

SITE COPY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	44755	DRWG NO.
286822	T34	1	2	TRUSS DESC.		



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESC.
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
E - G	2x4	DRY No.2	SPF
K - A	2x4	DRY No.2	SPF
K - G	2x4	DRY No.2	SPF
K - H	2x6	DRY No.2	SPF
ALL WEBS EXCEPT	2x3	DRY No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A - C 1	12	TOP
C - E 1	12	TOP
E - G 1	12	TOP
K - A 1	12	TOP
H - G 1	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
K - H 2	12	SIDE (183.1)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+P	MT20	3.0	4.0		
B	TMVW+T	MT20	4.0	9.0		
C	TTW-m	MT20	5.0	6.0	Edge	
D	TMVW+T	MT20	4.0	4.0		
E	TTW-m	MT20	5.0	6.0	Edge	
F	TMVW+T	MT20	4.0	9.0		
G	TMV+P	MT20	3.0	4.0		
H	BMVW+H	MT20	6.0	9.0	Edge 2.50	
I	BMVW+H	MT20	6.0	9.0		
J	BMVW+H	MT20	6.0	9.0		
K	BMVW+H	MT20	6.0	9.0	Edge 2.50	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
K	6386	0	6386	0
H	5737	0	5737	0

MIN. SEAT SIZE: 3-8
HANGER BY OTHERS

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	5000	3191 / 0	909 / 0	0 / 0	0 / 0	900 / 0	0 / 0
H	4505	2877 / 0	817 / 0	0 / 0	0 / 0	810 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.60 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

2x4 DRY SPF No.2 T-BRACE AT B-K, F-H

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORZ. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH
FR-TO							FR-TO				
A-B	-3 / 8	-104.9	-104.9	0.07 (1)	10.00	10.00	B-J	0 / 1858	0.23 (1)		
B-C	-4117 / 0	-104.9	-104.9	0.12 (1)	4.60	4.60	J-C	0 / 2004	0.25 (1)		
C-D	-3441 / 0	-104.9	-104.9	0.10 (1)	4.97	4.97	I-E	0 / 1971	0.24 (1)		
D-E	-3391 / 0	-104.9	-104.9	0.10 (1)	5.00	5.00	I-F	0 / 1828	0.23 (1)		
E-F	-4057 / 0	-104.9	-104.9	0.12 (1)	4.63	4.63	K-B	-4883 / 0	0.74 (1)		
F-G	-3 / 8	-104.9	-104.9	0.07 (1)	10.00	10.00	F-H	-4814 / 0	0.73 (1)		
K-A	-136 / 0	0.0	0.0	0.01 (1)	7.81	7.81	J-D	0 / 56	0.01 (3)		
H-G	-136 / 0	0.0	0.0	0.01 (1)	7.81	7.81	D-I	-156 / 0	0.07 (1)		
K-L	0 / 2462	-28.0	-28.0	0.78 (1)	10.00	10.00					
L-M	0 / 2462	-28.0	-28.0	0.78 (1)	10.00	10.00					
M-N	0 / 2462	-28.0	-28.0	0.78 (1)	10.00	10.00					
N-J	0 / 2462	-28.0	-28.0	0.78 (1)	10.00	10.00					
J-O	0 / 3434	-28.0	-28.0	0.62 (1)	10.00	10.00					
O-P	0 / 3434	-28.0	-28.0	0.62 (1)	10.00	10.00					
P-I	0 / 3434	-28.0	-28.0	0.62 (1)	10.00	10.00					
I-Q	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					
Q-R	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					
R-S	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					
S-T	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					
T-U	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					
U-H	0 / 2428	-28.0	-28.0	0.64 (1)	10.00	10.00					

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR	TYPE
I	9-5	4	4	4	FRONT	VERT	TOTAL
J	5-0-12	4	4	4	FRONT	VERT	TOTAL
L	5-4	-135	-1135	-	BACK	VERT	TOTAL
M	2-0-12	-231	-231	-	FRONT	VERT	TOTAL
N	2-24	-132	-1132	-	BACK	VERT	TOTAL
	4-0-12	-254	-254	-	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 240 IN. GIG

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/999 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/852 (0.22")

CSI: TC=0.12/1.00 (B-C:1), BC=0.78/1.00 (J-K:1), WB=0.74/1.00 (B-K:1), SSI=0.68/1.00 (H-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1697
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (B) (INPUT = 0.90)
JSI METAL= 0.39 (B) (INPUT = 1.00)

DWG NO. TAM 7360-18
STRUCTURAL
COMPONENT ONLY

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1135.0 lbs FACTORED DOWN AT 9-12, 230.8 lbs FACTORED DOWN AT 2-0-12, 1132.4 lbs FACTORED DOWN AT 2-2-4, 254.5 lbs FACTORED DOWN AT 4-0-12, 1132.4 lbs FACTORED DOWN AT 4-2-4, 4.5 lbs FACTORED DOWN AT 8-0-12, 1132.4 lbs FACTORED DOWN AT 8-0-12, 1132.4 lbs FACTORED DOWN AT 8-2-4, 4.5 lbs FACTORED DOWN AT 8-2-4, 4.5 lbs FACTORED DOWN AT 9-5-4, 1132.4 lbs FACTORED DOWN AT 10-2-4, 254.5 lbs FACTORED DOWN AT 11-5-4, 1132.4 lbs FACTORED DOWN AT 12-2-4, AND 230.8 lbs FACTORED DOWN AT 13-5-4, AND 1132.4 lbs FACTORED DOWN AT 14-1-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

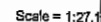
FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
N	4-2-4	-1132	-1132	--	BACK	VERT	TOTAL
O	6-2-4	-1132	-1132	--	BACK	VERT	TOTAL
P	8-0-12	-4	-4	--	FRONT	VERT	TOTAL
P	8-2-4	-1132	-1132	--	BACK	VERT	TOTAL
Q	10-2-4	-1132	-1132	--	BACK	VERT	TOTAL
R	11-5-4	-254	-254	--	FRONT	VERT	TOTAL
S	12-2-4	-1132	-1132	--	BACK	VERT	TOTAL
T	13-5-4	-231	-231	--	FRONT	VERT	TOTAL
U	14-1-12	-1132	-1132	--	BACK	VERT	TOTAL



DWG NO. TAM 7360-18
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TOTAL WEIGHT = 2 X 32 = 64 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

LINEACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	209	123 / 0	45 / 0	0 / 0	0 / 0	41 / 0	0 / 0
I	339	243 / 0	45 / 0	0 / 0	0 / 0	52 / 0	0 / 0

BEARING MATERIAL TO BE SPE NO.2 OR BETTER AT JOINT(S) I

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. UNBRAC CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED CSI (LC)		
FR-TO		FROM TO		LENGTH	FR-TO				
A-B	0/47	-104.9	-104.9	0.14 (1)	10.00	C-H	0/134	0.03 (1)	
B-C	-50/0	-104.9	-104.9	0.14 (1)	6.25	H-F	-3/0	0.00 (1)	
C-D	-114/0	-104.9	-104.9	0.04 (1)	6.25	H-E	0/172	0.04 (1)	
D-E	-112/0	-104.9	-104.9	0.05 (1)	8.25	I-C	-149/0	0.03 (1)	
E-F	-227/0	0.0	0.0	0.08 (1)	7.81				
F-B	-281/0	0.0	0.0	0.03 (1)	7.81				
I-H	0/71	-28.0	-28.0	0.05 (2)	10.00				
G-H	0/52	0.0	0.0	0.01 (2)	10.00				
H-D	-200/0	0.0	0.0	0.01 (1)	7.81				
G-F	0/3	-28.0	-28.0	0.04 (3)	10.00				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TTWW+m	MT20	5.0	6.0		Edge
D	TMV+p	MT20	3.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMVW/t	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0		
H	BVMVWVW-w	MT20	8.0	9.0	2.25	2.25
I	BMVW-t	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL
OR SMALL BUILDING REQUIREMENTS OF
PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT
OFF

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.14/1.00 (A-B:1), BC=0.05/1.00 (H-I:2), WB=0.04/1.00 (E-H:1), SSI=0.10/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)	(PLI)	(PSI)	(PLI)	(PSI)	(PLI)
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

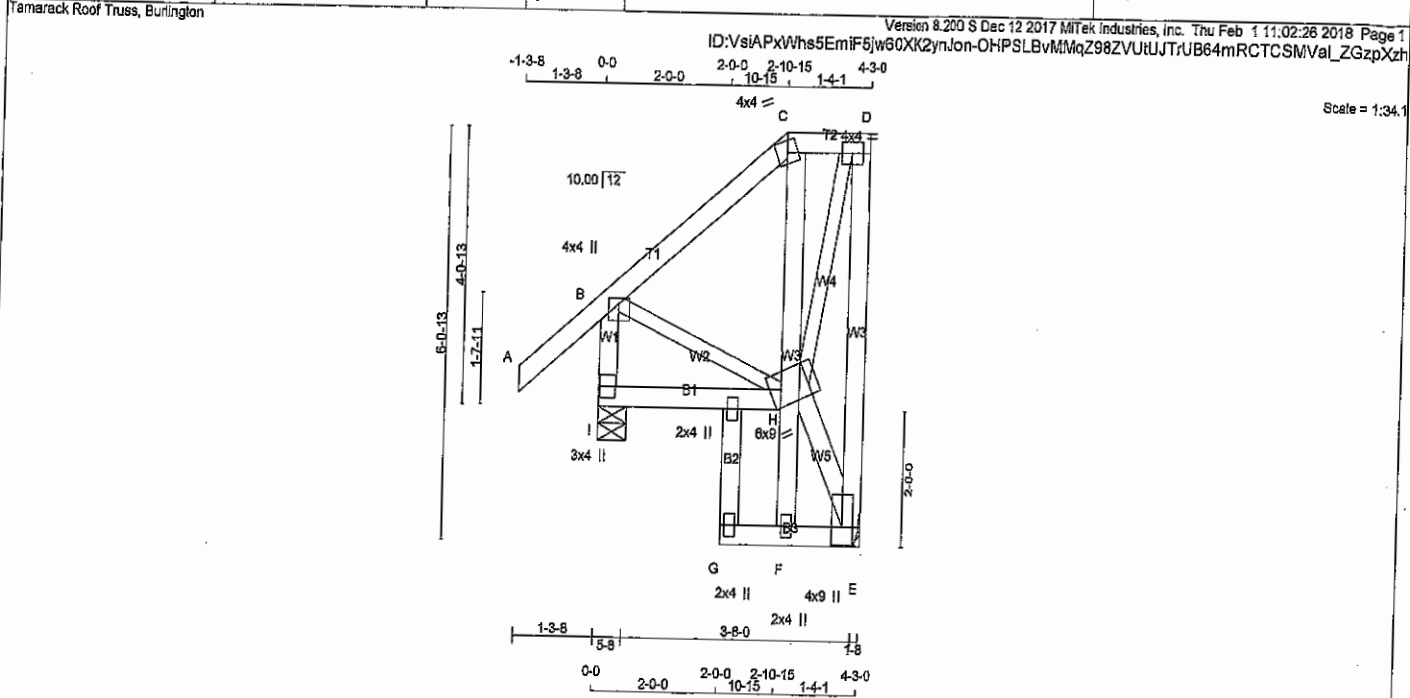
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.18 (E) (INPUT = 0.90)
JSI METAL= 0.05 (I) (INPUT = 1.00)

DWG NO. TAM 7361-18
STRUCTURAL
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LUMBER

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CHORDS	SIZE	DRY	No.2
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
I - B	2x4	DRY	No.2
G - E	2x4	DRY	No.2

ALL WEBS EXCEPT

CHORDS	SIZE	DRY	No.2
H - D	2x3	DRY	No.2
B - H	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVW-i	MT20	4.0	4.0		
E	BMVW1+p	MT20	4.0	9.0	3.25	2.00
F	BMVW-w	MT20	2.0	4.0		
G	NP-w	MT20	2.0	4.0		
H	BMVWVW-w	MT20	6.0	9.0	3.00	2.00
I	BMV1+p	MT20	3.0	4.0		
J	NP-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	MAXIMUM FACTORED GROSS REACTION DOWN	INPUT BRG UPLIFT	REQRD BRG IN-SX
E	299	0	0	HANGER BY OTHERS
I	439	0	0	MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	246	138 / 0	57 / 0	0 / 0	0 / 0	51 / 0	0 / 0
I	338	228 / 0	53 / 0	0 / 0	0 / 0	57 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

MAX. UNBRACED INTERIOR CHORD LENGTH = 7.81 FT

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
 TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX (PLF)	MAX. UNBRACED LENGTH	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	CS1 (LC)	FR-TO
A-B	0 / 47	-104.9 -104.9	0.14 (1)	10.00
B-C	-102 / 0	-104.9 -104.9	0.15 (1)	8.25
C-D	-71 / 0	-104.9 -104.9	0.03 (1)	6.25
E-D	-288 / 0	0.0 0.0	0.20 (1)	7.81
I-B	-397 / 0	0.0 0.0	0.04 (1)	7.81
I-H	0 / 0	-28.0 -28.0	0.08 (3)	10.00
G-F	0 / 0	-28.0 -28.0	0.04 (3)	10.00
F-E	0 / 6	-28.0 -28.0	0.04 (3)	10.00

TOTAL WEIGHT = 2 X 38 = 76 lb

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 32.5 PSF
 DL = 3.0 PSF
 BOT CH. LL = 10.5 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. O/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 2012, BCBC 2012, ABC 2014
 - CSA C88-09
 - TPIC 2011

DESIGN ASSUMPTIONS
 - OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
 ALLOWABLE DEFL.(TL) = L/360 (0.19")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CS1: TC=0.20/1.00 (D-E-1), BC=0.08/1.00 (H-I-3), WB=0.05/1.00 (D-H-1), SG=0.09/1.00 (B-C-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1887 822 2284 1856

PLATE PLACEMENT TOL. = 0.250 inches

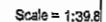
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.31 (D) (INPUT = 0.90)
 JSI METAL= 0.08 (B) (INPUT = 1.00)



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DWG NO. TAM7362-18
 STRUCTURAL COMPONENT ONLY



TOTAL WEIGHT = $3 \times 36 = 108 \text{ lb}$

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

DESIGN CRITERIA

UNFACTORED REACTIONS

SPACING = 24.0 IN. C/C

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIG 2011

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (G-H:3),
WB=0.06/1.00 (D-G:1), SSI=0.09/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)	(PLI)	(PLI)	(PLI)	(PLI)	(PLI)
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.57 (D) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-E.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

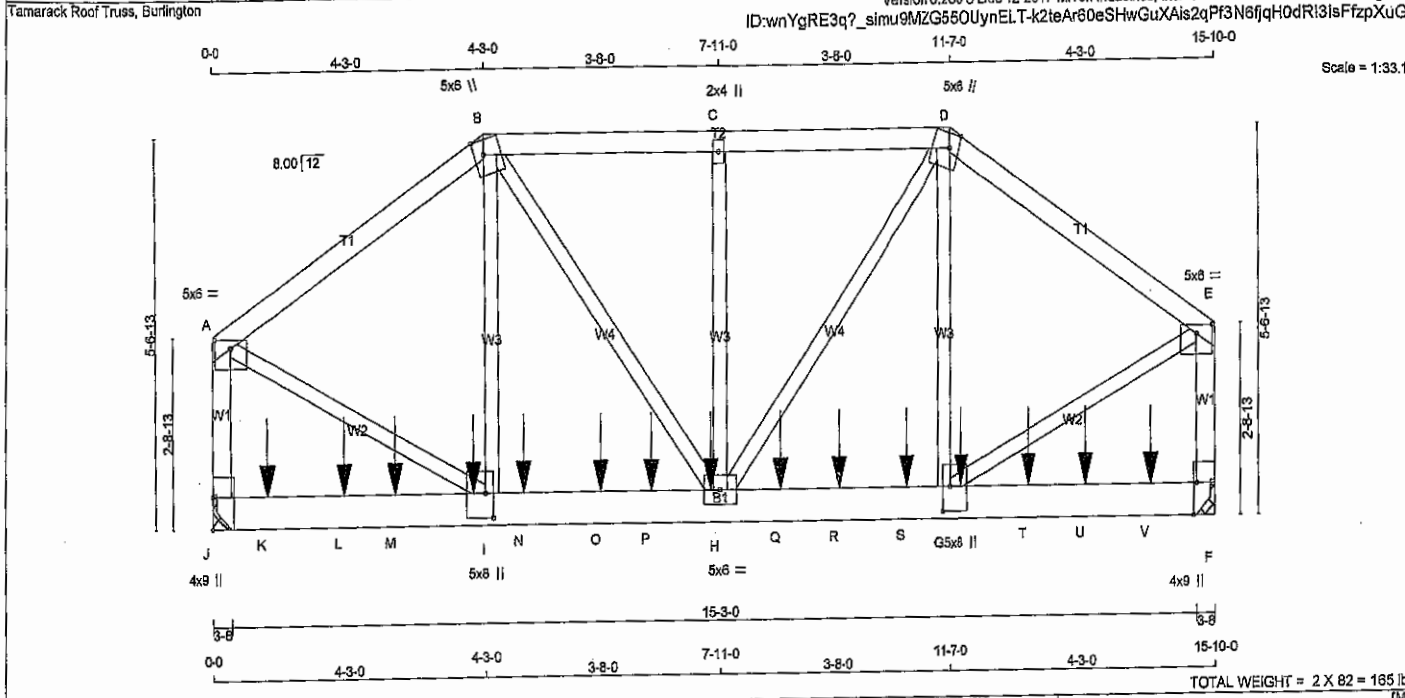
LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0/47	-104.9	-104.9	0.14 (1)	10.00	G-E	-8/0	0.00 (1)
B-C	-137/10	-104.9	-104.9	0.07 (1)	6.25	G-D	0/264	0.08 (1)
C-D	-151/10	-104.9	-104.9	0.07 (1)	6.25	B-G	0/137	0.03 (1)
E-D	-247/10	0.0	0.0	0.06 (1)	8.25			
H-B	-396/10	0.0	0.0	0.04 (1)	7.81			
H-G	0/0	-28.0	-28.0	0.04 (3)	10.00			
F-G	0/52	0.0	0.0	0.02 (1)	10.00			
G-C	-259/10	0.0	0.0	0.02 (1)	7.81			
F-E	0/6	-28.0	-28.0	0.04 (3)	10.00			



DWG NO. TAM 7363 -18
STRUCTURAL
COMPONENT ONLY



LUMBER					
N. L. G. A. RULES					
CHORDS	SIZE		LUMBER		DESCR.
A - B	2x4	DRY	No.2		SPF
B - D	2x4	DRY	No.2		SPF
D - E	2x4	DRY	No.2		SPF
J - A	2x4	DRY	No.2		SPF
F - E	2x4	DRY	No.2		SPF
J - F	2x6	DRY	No.2		SPF
ALL WEBS EXCEPT	2x3	DRY	No.2		SPF
DRY: SEASONED LUMBER.					
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:					
CHORDS #ROWS	SURFACE SPACING (IN)		LOAD(PLF)		
TOP CHORDS : (0.122"x3") SPIRAL NAILS					
A - B	1	12		TOP	
B - D	1	12		TOP	
D - E	1	12		TOP	
J - A	1	12		TOP	
F - E	1	12		TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS					
J - F	2	12		SIDE(183.1)	
WEBS : (0.122"x3") SPIRAL NAILS					
2x3	1	6			
NAILS TO BE DRIVEN FROM ONE SIDE ONLY.					
GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.					
TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.					
SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.					
PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TM/VW-p	MT20	5.0	6.0	1.50 3.00
B	TTWW+m	MT20	5.0	6.0	Edge 1.75
C	TM/VW+m	MT20	2.0	4.0	
D	TTWW+m	MT20	5.0	6.0	Edge 1.75
E	TM/VW-p	MT20	5.0	6.0	1.50 3.00
F	BM/V1+t	MT20	4.0	9.0	Edge 0.50
G	BM/VW+H	MT20	5.0	8.0	4.25 1.50
H	BM/VW+H	MT20	5.0	8.0	
I	BM/VW+H	MT20	5.0	8.0	4.25 1.50
J	BM/V1+t	MT20	4.0	9.0	5.50
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.					
HANGERS NOTES					
1)					

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT		VERT	HORZ	DOWN	HORZ	IN-SX		IN-SX	
J		6148	0	6148	0	0		HANGER BY OTHERS	
F		6089	0	6089	0	0		MIN. SEAT SIZE: 3-8	
UNFACTORED REACTIONS									
		1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT		COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
J		4825	3087 / 0	672 / 0	0 / 0	0 / 0	865 / 0	0 / 0	
F		4781	3048 / 0	850 / 0	0 / 0	0 / 0	853 / 0	0 / 0	
BRACING									
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.19 FT.									
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.									
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.									
LOADING									
TOTAL LOAD CASES: (4)									
		CHORDS		FACTORED		WEBS		FACTORED	
MEMB.		MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. VERT. LOAD (LC1)	MAX. HORZ. LOAD (LC2)	MEMB.		MAX. FORCE (LBS)	MAX. HORZ. LOAD (LC2)
FR-TO			FROM TO			FR-TO			
A - B	-4881 / 0	-104.9	-104.9	0.29 (1)	4.20	I - B	0 / 1167	0.14 (1)	
B - C	-4649 / 0	-104.9	-104.9	0.18 (1)	4.32	B - H	0 / 1276	0.16 (1)	
C - D	-4649 / 0	-104.9	-104.9	0.18 (1)	4.32	H - C	-419 / 0	0.09 (1)	
D - E	-4889 / 0	-104.9	-104.9	0.29 (1)	4.19	H - D	0 / 1264	0.16 (1)	
J - A	-4810 / 0	0.0	0.0	0.35 (1)	5.40	G - D	0 / 1180	0.15 (1)	
F - E	-4917 / 0	0.0	0.0	0.35 (1)	5.40	A - I	0 / 4410	0.55 (1)	
						G - E	0 / 4418	0.55 (1)	
J - K	0 / 0	-28.0	-28.0	0.42 (1)	10.00				
K - L	0 / 0	-28.0	-28.0	0.42 (1)	10.00				
L - M	0 / 0	-28.0	-28.0	0.42 (1)	10.00				
M - N	0 / 0	-28.0	-28.0	0.42 (1)	10.00				
N - O	0 / 3912	-28.0	-28.0	0.67 (1)	10.00				
O - P	0 / 3912	-28.0	-28.0	0.67 (1)	10.00				
P - H	0 / 3912	-28.0	-28.0	0.67 (1)	10.00				
H - Q	0 / 3919	-28.0	-28.0	0.69 (1)	10.00				
Q - R	0 / 3919	-28.0	-28.0	0.69 (1)	10.00				
R - S	0 / 3919	-28.0	-28.0	0.69 (1)	10.00				
S - G	0 / 3919	-28.0	-28.0	0.69 (1)	10.00				
G - T	0 / 0	-28.0	-28.0	0.43 (1)	10.00				
T - U	0 / 0	-28.0	-28.0	0.43 (1)	10.00				
U - V	0 / 0	-28.0	-28.0	0.43 (1)	10.00				
V - F	0 / 0	-28.0	-28.0	0.43 (1)	10.00				
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.			
G	11-9-4	-280	-280		FRONT	VERT	TOTAL		
H	7-9-4	-5	-5		FRONT	VERT	TOTAL		
I	4-0-12	-280	-280		BACK	VERT	TOTAL		
K	10-4	-1134	-1134		FRONT	VERT	TOTAL		
L	2-0-12	-259	-259		BACK	VERT	TOTAL		
M	2-10-4	-1132	-1132		BACK	VERT	TOTAL		
N	4-10-4	-1132	-1132		BACK	VERT	TOTAL		
O	8-0-12	-5	-5		FRONT	VERT	TOTAL		
P	6-10-4	-1132	-1132		BACK	VERT	TOTAL		
Q	8-10-4	-1132	-1132		BACK	VERT	TOTAL		
R	9-9-4	-5	-5		FRONT	VERT	TOTAL		
S	10-10-4	-1132	-1132		BACK	VERT	TOTAL		
T	12-10-4	-1132	-1132		BACK	VERT	TOTAL		
U	13-4	-259	-259		FRONT	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TO=0.38/1.00 (E-F-1), BC=0.69/1.00 (G-H-1), WB=0.55/1.00 (E-G-1), SS=0.52/1.00 (H-I-1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.90 (A) (INPUT = 0.80)
SI METAL= 0.51 (I) (INPUT = 1.00)

PROFESSIONAL ENGINEER
S. KATSOUKAKOS
REGISTERED PROFESSIONAL ENGINEER
ON BEHALF OF ONTARIO

DWG NO. TAM 7384-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T38	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MITek Industries, Inc. Thu Feb 1 11:08:13 2018 Page 2
ID:wnYqRE3a? simu9MZG55OUynELT-k2teAr60eSHwGuXAis2qPf3N6fqH0dRl3isFfzpXuG

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1134.4 lbs FACTORED DOWN AT 10-4, 258.8 lbs FACTORED DOWN AT 2-0-12, 1132.4 lbs FACTORED DOWN AT 2-10-4, 259.9 lbs FACTORED DOWN AT 4-0-12, 1132.4 lbs FACTORED DOWN AT 4-10-4, 4.7 lbs FACTORED DOWN AT 6-0-12, 1132.4 lbs FACTORED DOWN AT 6-10-4, 4.7 lbs FACTORED DOWN AT 7-9-4, 1132.4 lbs FACTORED DOWN AT 8-10-4, 4.7 lbs FACTORED DOWN AT 9-9-4, 1132.4 lbs FACTORED DOWN AT 10-10-4, 259.9 lbs FACTORED DOWN AT 11-9-4, 1132.4 lbs FACTORED DOWN AT 12-10-4, AND 258.8 lbs FACTORED DOWN AT 13-9-4, AND 1132.4 lbs FACTORED DOWN AT 14-9-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

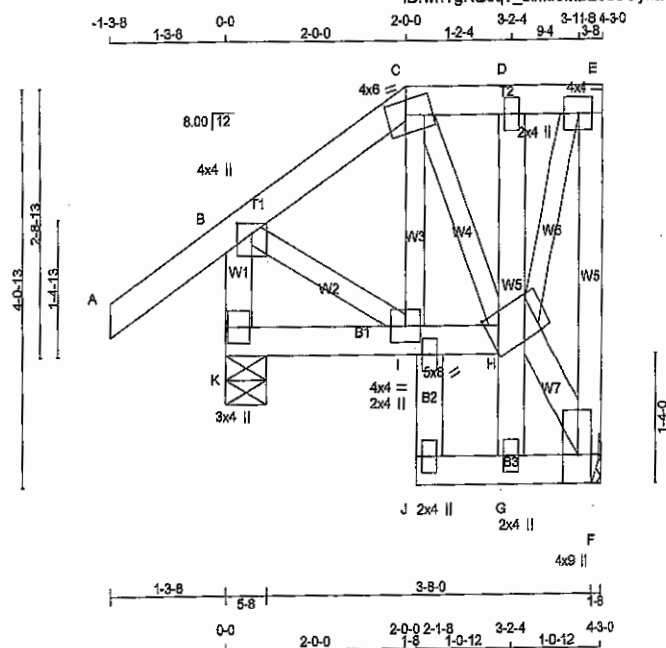
FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
V	14-9-12	-1132	-1132	—	BACK	VERT	TOTAL



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DWG NO. TAM 7384-18
STRUCTURAL
COMPONENT ONLY



TOTAL WEIGHT = 2 X 32 = 65 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
K - B	2x4	DRY	No.2
K - H	2x4	DRY	No.2
J - F	2x4	DRY	No.2

ALL WEBS			
EXCEPT			
G - D	2x4	DRY	No.2
H - F	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
C	TTWW-m	MT20	4.0	6.0	1.75 2.50
D	TMVW+w	MT20	2.0	4.0	
E	TMVW-t	MT20	4.0	4.0	
F	BMVW1+p	MT20	4.0	9.0	Edge
G	BMVW+w	MT20	2.0	4.0	
H	BMVWVWVW-w	MT20	5.0	8.0	1.50 1.75
I	BMVWVW-t	MT20	4.0	4.0	
J	NP+w	MT20	2.0	4.0	
K	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS							
FACTORED				MAXIMUM FACTORED		INPUT	
GROSS REACTION				GROSS REACTION		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	302	0	302	0	0	HANGER BY OTHERS	
MIN. SEAT SIZE: 1-8							
K	438	0	438	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE MAX./MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	249	138 / 0	59 / 0	0 / 0	0 / 0	52 / 0	0 / 0
K	337	227 / 0	53 / 0	0 / 0	0 / 0	58 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

MAX. UNBRACED INTERIOR CHORD LENGTH = 7.81 FT

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.		FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. (CSI) (LC)	MEMB.		FACTORED FORCE (LBS)
FR-TO			FROM TO	LENGTH	FR-TO		
A-B		0 / 40	-104.9	-104.9 0.14 (1)	G-H		0 / 104
B-C		-165 / 0	-104.9	-104.9 0.07 (1)	H-D		-123 / 0
C-D		-108 / 0	-104.9	-104.9 0.02 (1)	H-F		-13 / 0
D-E		-102 / 0	-104.9	-104.9 0.02 (1)	H-E		0 / 260
E-F		-292 / 0	0.0	0.0 0.07 (1)	I-C		-17 / 62
K-B		-411 / 0	0.0	0.0 0.04 (1)	C-H		-63 / 0
					B-I		0 / 154
K-I		0 / 0	-28.0	-28.0 0.03 (2)			
I-H		0 / 136	-28.0	-28.0 0.04 (2)			
J-G		0 / 0	-28.0	-28.0 0.04 (3)			
G-F		0 / 8	-28.0	-28.0 0.04 (3)			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD = 53.0 PSF				

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/380$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/380$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.01")

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (F-G:3), WB=0.06/1.00 (E-H:1), SS=0.09/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.36 (E) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)



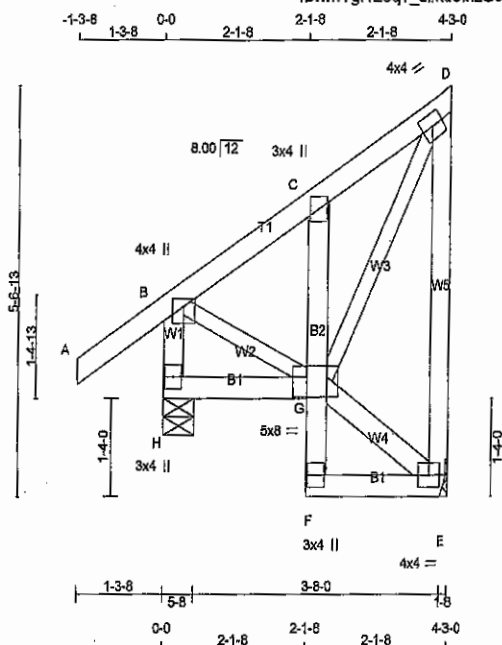
DWG NO. TAM 2385-13
STRUCTURAL
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Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MTEK Industries, Inc. Thu Feb 11:08:13 2018 Page 1

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Scale = 1:31.5

TOTAL WEIGHT = 3 X 31 = 92 lb

LUMBER				N. L. G. A. RULES	
CHORDS	SIZE	LUMBER	DESCR.	SPF	
A - D	2x4	DRY	No.2	SPF	
E - D	2x4	DRY	No.2	SPF	
H - B	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
F - C	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF	
G - D	2x3	DRY	No.2	SPF	
B - G	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TMV+p	MT20	3.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMVW1-t	MT20	4.0	4.0		
F	BMV+p	MT20	3.0	4.0		
G	BVMWVW-t	MT20	5.0	8.0	3.25	2.50
H	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	HANGER BY OTHERS	MIN. SEAT SIZE: 1-8
E	282	0	282	0	0	5-8	5-8		
H	426	0	426	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	COMBINED	SNOW	45 / 0	0 / 0	0 / 0	43 / 0	0 / 0
H	COMBINED	SNOW	45 / 0	0 / 0	0 / 0	51 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO	FROM	TO	FR-TO
A-B	0 / 40	-104.9 -104.9	0.14 (1) 10.00
B-C	-154 / 0	-104.9 -104.9	0.07 (1) 6.25
C-D	-163 / 0	-104.9 -104.9	0.07 (1) 6.25
E-D	-248 / 0	0.0 0.0	0.13 (1) 7.81
H-B	-395 / 0	0.0 0.0	0.04 (1) 7.81
H-G	0 / 0	-28.0 -28.0	0.04 (3) 10.00
F-G	0 / 48	0.0 0.0	0.02 (1) 10.00
G-C	-280 / 0	0.0 0.0	0.02 (1) 7.81
F-E	0 / 10	-28.0 -28.0	0.03 (2) 10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5 PSF
DL = 3.0 PSF	
BOT CH.	LL = 10.5 PSF
DL = 7.0 PSF	
TOTAL LOAD	= 53.0 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (G-H:3), WB=0.06/1.00 (D-G:1), SS=0.09/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.45 (D) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)



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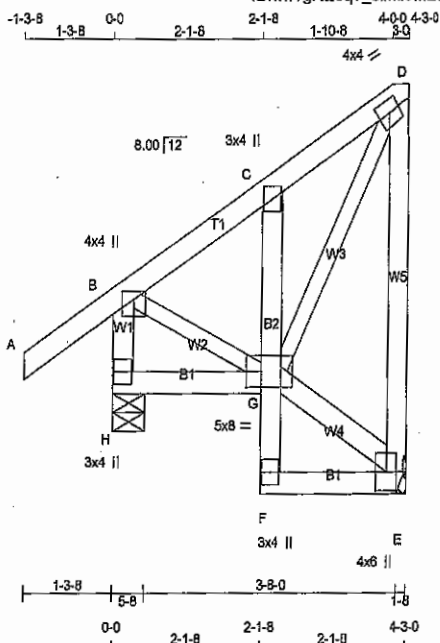
DWG NO. TAM 7386-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T40C	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 11:06:13 2018 Page 1

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Scale = 1:30.8

TOTAL WEIGHT = 2 X 31 = 61 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
H - B	2x4	DRY	No.2
H - G	2x4	DRY	No.2
F - C	2x4	DRY	No.2
F - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
G - E	2x4	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
C	TMV+p	MT20	3.0	4.0	
D	TMVW-l	MT20	4.0	4.0	
E	BMVW1+p	MT20	4.0	6.0	
F	BMV+p	MT20	3.0	4.0	
G	BVMWWW-l	MT20	5.0	8.0	2.50 2.50
H	BMV1+p	MT20	3.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG UPLIFT	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	282	0	282	0	0	HANGER BY OTHERS
H	426	0	426	0	0	MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
E	225	138 / 0	45 / 0	0 / 0	0 / 0	43 / 0	0 / 0
H	323	227 / 0	45 / 0	0 / 0	0 / 0	51 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.61 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO	LENGTH FR-TO				
A-B	0 / 40	-104.9 -104.9	0.14 (1)	10.00	B-G	0 / 153	0.03 (1)
B-C	-154 / 0	-104.9 -104.9	0.07 (1)	6.25	G-E	-12 / 0	0.00 (1)
C-D	-163 / 0	-104.9 -104.9	0.07 (1)	6.25	G-D	0 / 276	0.06 (1)
E-D	-248 / 0	0.0 0.0	0.13 (1)	7.61			
H-B	-395 / 0	0.0 0.0	0.04 (1)	7.61			
H-G	0 / 0	-28.0 -28.0	0.04 (3)	10.00			
F-G	0 / 48	0.0 0.0	0.02 (1)	10.00			
G-C	-260 / 0	0.0 0.0	0.02 (1)	7.61			
F-E	0 / 10	-28.0 -28.0	0.03 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	DL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2012, CBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.01")

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (G-H:3), WB=0.08/1.00 (D-G:1), SI=0.09/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354	1687
	822	2284	1655

PLATE PLACEMENT TOL. = 0.250 inches

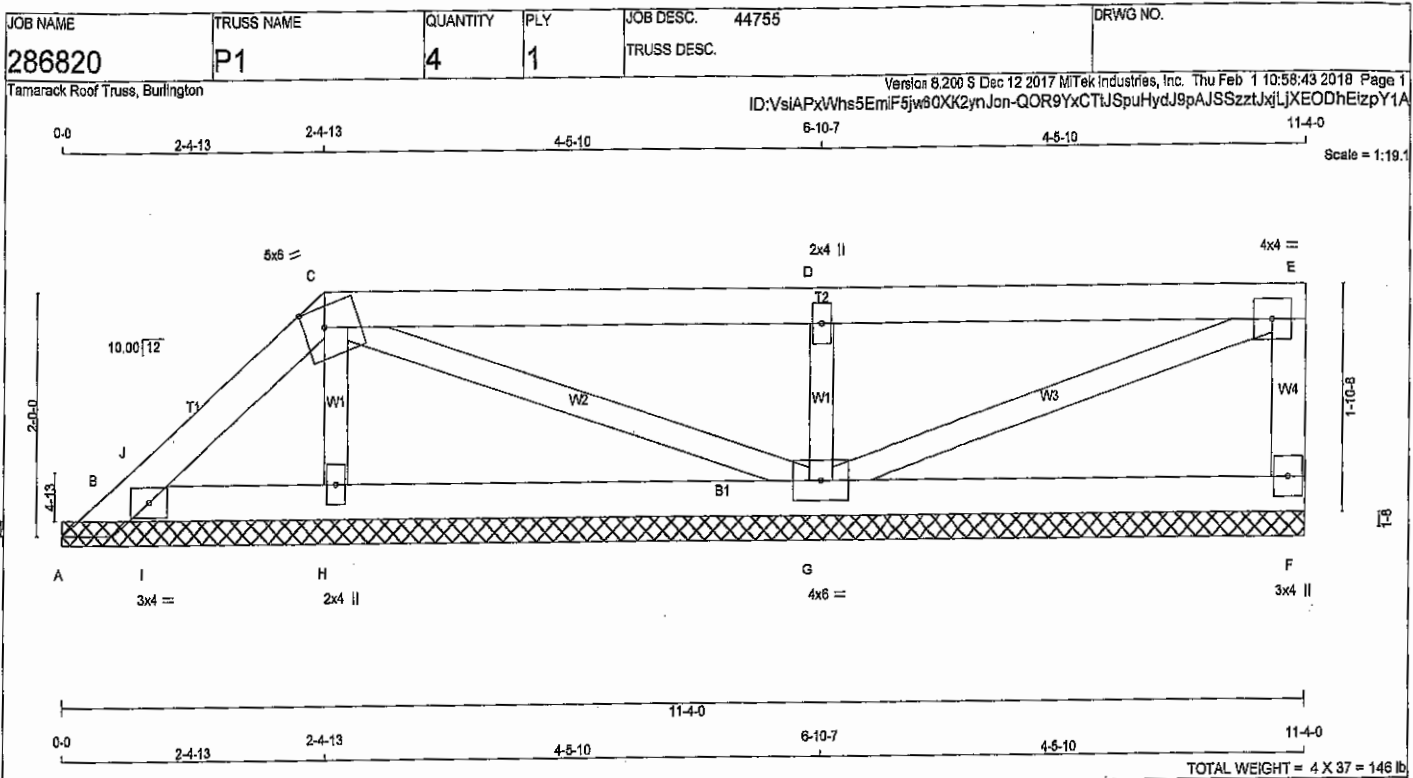
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.46 (D) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)



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DRWG NO. TAM 7387-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
B - F	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-i	MT20	3.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	2.25
D	TMW+w	MT20	2.0	4.0		
E	TMW-i	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWV1-i	MT20	4.0	6.0		
H	BMV1+w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
A	-4	0	8	0	11-4/0 (10-8-7)-4-0	4-0
F	224	0	224	0	11-4/0 (10-8-7)-4-0	4-0
B	218	0	218	0	11-4/0 (10-8-7)-4-0	4-0
H	311	0	311	0	11-4/0 (10-8-7)-4-0	4-0
G	740	0	740	0	11-4/0 (10-8-7)-4-0	4-0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): A

PROVIDE ANCHORAGE AT BEARING JOINT A FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	-1	0/-7	2/0	0/0	0/0	4/0	0/0
F	180	109/0	37/0	0/0	0/0	34/0	0/0
B	152	127/0	5/0	0/0	0/0	20/0	0/0
H	285	133/0	72/0	0/0	0/0	80/0	0/0
G	583	368/0	108/0	0/0	0/0	108/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, F, B, H, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS				WEBS			
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED L1 MAX (LC1)	MAX. FACTORED UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)	MEMB.
FR-TO					FR-TO			FR-TO
A-B	0/22	-122.4	-122.4	0.03 (1)	10.00	H-C	-203/0	0.03 (1)
B-J	-89/6	-104.9	-104.9	0.03 (1)	8.25	C-G	-30/0	0.01 (1)
J-C	-58/0	-104.9	-104.9	0.03 (1)	8.25	G-D	-588/0	0.09 (1)
C-D	0/3	-104.9	-104.9	0.36 (1)	10.00	G-E	-2/0	0.00 (1)
D-E	0/2	-104.9	-104.9	0.36 (1)	10.00	I-J	-79/0	0.00 (1)
F-E	-175/0	0.0	0.0	0.02 (1)	7.81			
B-I	0/39	-28.0	-28.0	0.03 (1)	10.00			
I-H	0/39	-28.0	-28.0	0.07 (2)	10.00			
H-G	0/26	-28.0	-28.0	0.15 (2)	10.00			
G-F	0/0	-28.0	-28.0	0.15 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	DL	PSF
	32.5	3.0	PSF
BOT CH.	LL	DL	PSF
	10.5	7.0	PSF
TOTAL LOAD	53.0		PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.36/1.00 (C-D:1), BC=0.15/1.00 (G-H:2), WB=0.09/1.00 (D-G:1), SS=0.23/1.00 (D-E:1)

DOIL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1687
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

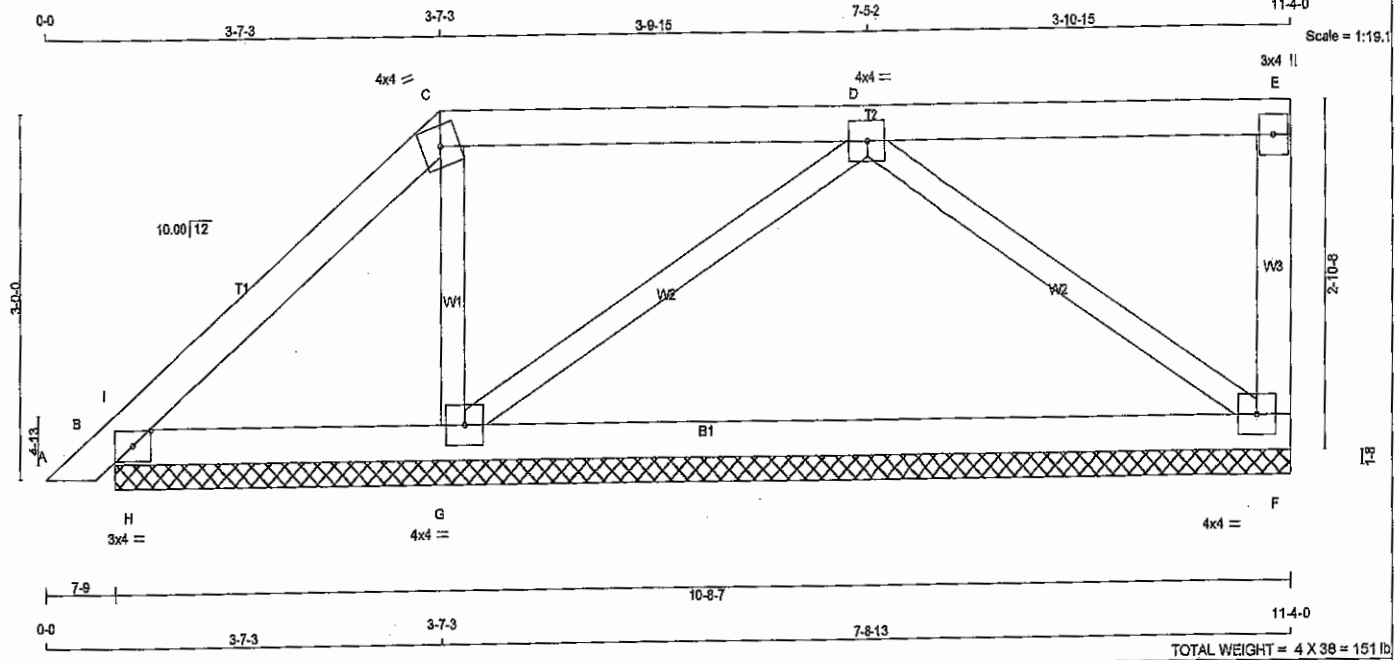
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.31 (D) (INPUT = 0.90)
JSI METAL= 0.11 (D) (INPUT = 1.00)



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DRWG NO. TAM 7349-18
STRUCTURAL
COMPONENT ONLY



LUMBER
 N. L. G. A. RULES
 CHORDS SIZE LUMBER DESCR.
 A - C 2x4 DRY No.2 SPF
 C - E 2x4 DRY No.2 SPF
 F - E 2x4 DRY No.2 SPF
 B - F 2x4 DRY No.2 SPF
 ALL WEBS 2x3 DRY No.2 SPF
 DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMB1-i	MT20	3.0	4.0	1.50	2.00
C TTW-m	MT20	4.0	4.0		
D TMWW-i	MT20	4.0	4.0		
E TMV+p	MT20	3.0	4.0		
F BMVW1-i	MT20	4.0	4.0		
G BMVW1-i	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
F	480	0	480	0	10-8-7	10-8-7
B	193	0	193	0	10-8-7	10-8-7
G	807	0	807	0	10-8-7	10-8-7

PROVIDE ANCHORAGE AT BEARING JOINT B FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM.LIVE	WIND	DEAD
F	372	248 / 0	82 / 0	0 / 0	0 / 0	84 / 0
B	121	130 / 0	0 / -13	0 / 0	0 / 0	3 / 0
G	690	354 / 0	178 / 0	0 / 0	0 / 0	150 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, B, G

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING										
TOTAL LOAD CASES: (4)										
CHORDS					WEBS					
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)		
FR-TO		FROM TO				FR-TO				
A-B	0 / 16	-104.9	-104.9	0.02 (1)	10.00	G-C	-282 / 0	0.05 (1)		
B-I	0 / 189	-104.9	-104.9	0.11 (1)	10.00	G-D	-484 / 0	0.16 (1)		
I-C	0 / 14	-104.9	-104.9	0.10 (1)	10.00	D-F	-432 / 0	0.15 (1)		
C-D	0 / 22	-104.9	-104.9	0.28 (1)	10.00	H-I	-415 / 0	0.00 (1)		
D-E	0 / 0	-104.9	-104.9	0.25 (1)	10.00					
F-E	-157 / 0	0.0	0.0	0.02 (1)	7.81					
B-H	-18 / 0	-28.0	-28.0	0.12 (1)	6.25					
H-G	-18 / 0	-28.0	-28.0	0.38 (2)	6.25					
G-F	0 / 360	-28.0	-28.0	0.40 (2)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 32.5 PSF
 DL = 3.0 PSF
 BOT CH. LL = 10.5 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
 - PART 9 OF OBC 2012, BCBC 2012, ABC 2014
 - CSA 086-09
 - TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.28/1.00 (C-D:1), BC=0.40/1.00 (F-G:2), WB=0.16/1.00 (D-G:1), SS1=0.29/1.00 (B-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

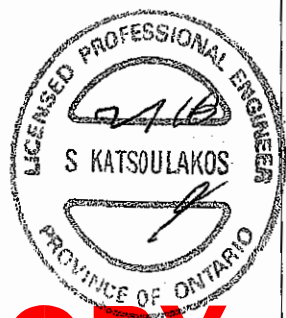
NAIL VALUES

PLATE	GRIP(DRY) (PSI)	SHEAR (PLI)	SECTION (PLI)
MT20	618	354	1887

PLATE PLACEMENT TOL. = 0.250 inches

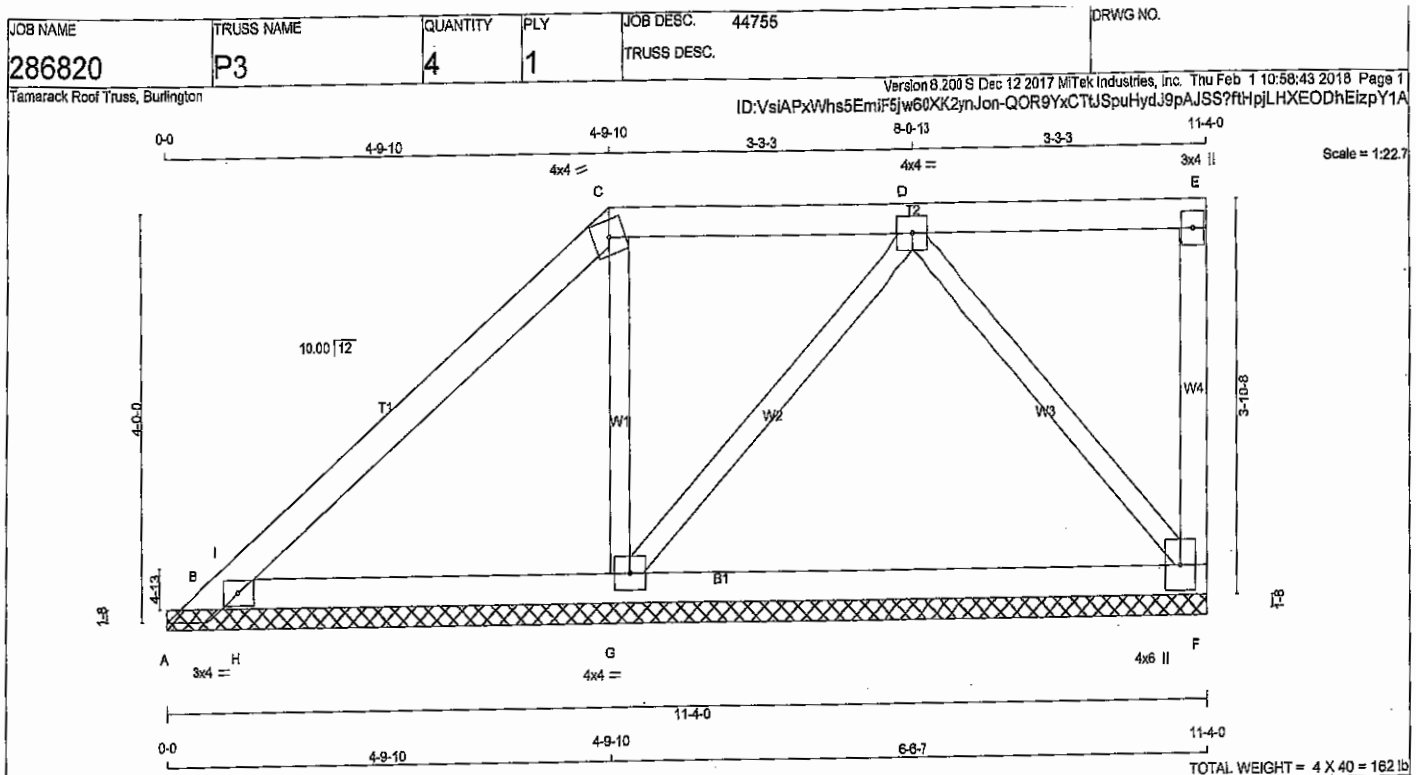
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.42 (G) (INPUT = 0.90)
 JSI METAL= 0.14 (G) (INPUT = 1.00)



SITE COPY

DRWG NO. TAM 7350-18
 STRUCTURAL
 COMPONENT ONLY



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
B - F	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
DRY; SEASONED LUMBER.					

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMWW-I	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW1+p	MT20	4.0	6.0		
G	BMVW1-I	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
A	-297	0	0	0	-297	11-4-0 (10-8-7)-4-0			
F	428	0	428	0	0	11-4-0 (10-8-7)-4-0			
B	653	0	653	0	0	11-4-0 (10-8-7)-4-0			
G	876	0	876	0	0	11-4-0 (10-8-7)-4-0			

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): A

PROVIDE ANCHORAGE AT BEARING JOINT A FOR 267 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	-186	0/-161	0/-8	0/0	0/0	0/-17	0/0
F	330	219/0	55/0	0/0	0/0	57/0	0/0
B	468	373/0	35/0	0/0	0/0	62/0	0/0
G	567	300/0	143/0	0/0	0/0	123/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, F, B, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/174	-122.4 -122.4	0.25 (1)	10.00	G-C	-268/0	0.06 (1)
B-I	-86/0	-104.9 -104.9	0.22 (1)	6.25	G-D	-267/0	0.10 (1)
I-C	-72/0	-104.9 -104.9	0.20 (1)	6.25	D-F	-305/0	0.11 (1)
C-D	-28/0	-104.9 -104.9	0.18 (1)	6.25	H-I	-191/37	0.00 (1)
D-E	0/0	-104.9 -104.9	0.18 (1)	10.00			
F-E	-130/0	0.0 0.0	0.03 (1)	7.81			
B-H	0/37	-28.0 -28.0	0.07 (1)	10.00			
H-G	0/37	-28.0 -28.0	0.27 (2)	10.00			
G-F	0/206	-28.0 -28.0	0.28 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
	CL = 3.0	PSF
BOT CH.	LL = 10.5	PSF
	CL = 7.0	PSF
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.09/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.25/1.00 (A-B:1), BC=0.28/1.00 (F-G:2), WB=0.11/1.00 (D-F:1), SS=0.21/1.00 (A-B:1)

DCL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

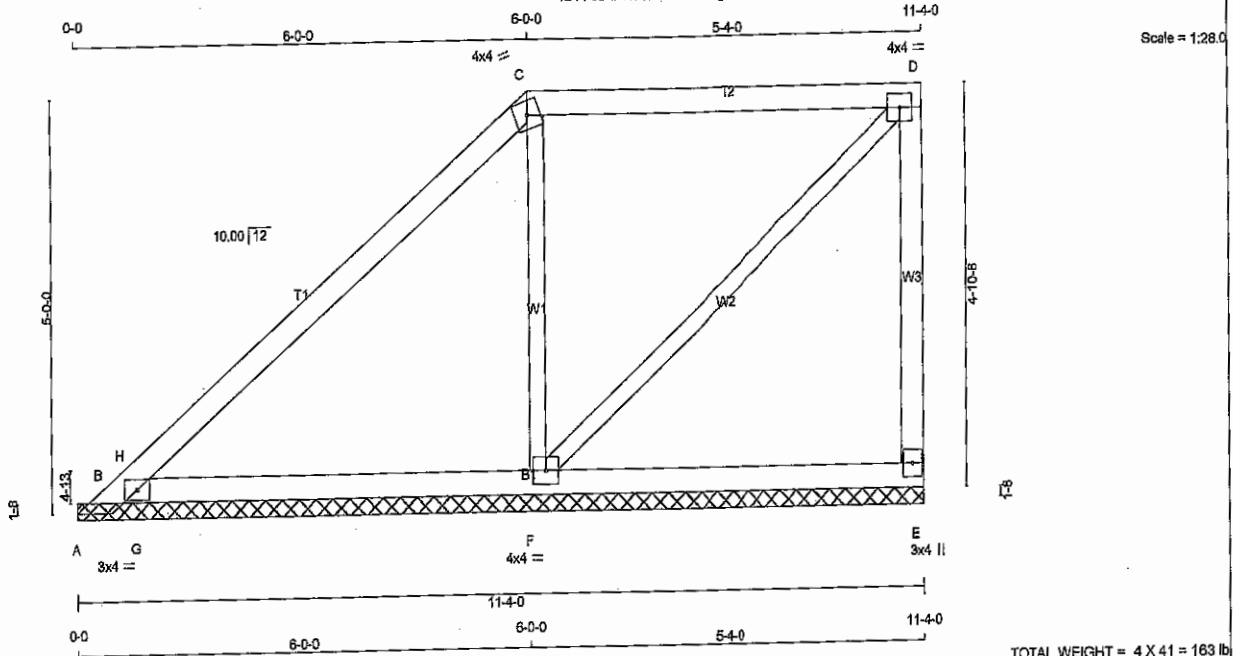
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.52 (B) (INPUT = 0.90)
JSI METAL= 0.18 (B) (INPUT = 1.00)



SITE COPY

DRWG NO. TAM 7351-18
STRUCTURAL
COMPONENT ONLY



TOTAL WEIGHT = 4 X 41 = 163 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	No.2
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
B - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMB1-I	MT20	3.0	4.0
C	TTW-m	MT20	4.0	4.0
D	TMWV-I	MT20	4.0	4.0
E	BMV1-p	MT20	3.0	4.0
F	BMVW1-I	MT20	4.0	4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
A		566	0	0	0	566	11-4-0 (10-8-7)	4-0	
E		370	0	370	0	0	11-4-0 (10-8-7)	4-0	
B		1076	0	1076	0	0	11-4-0 (10-8-7)	4-0	
F		610	0	610	0	0	11-4-0 (10-8-7)	4-0	

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): A

PROVIDE ANCHORAGE AT BEARING JOINT A FOR 566 LBS. FACTORED UPLIFT

NOTE: ANCHORAGE REQUIRED FOR LARGE UPLIFT FORCES, SHALL BE PROVIDED BY BLDG. DESIGNER

UNFACTORED REACTIONS

1ST LOASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE					
A	-433	0/-299	0/-66	0/0	0/0	0/1-68	0/0	0/0	0/0
E	283	193/0	44/0	0/0	0/0	47/0	0/0	0/0	0/0
B	819	564/0	119/0	0/0	0/0	135/0	0/0	0/0	0/0
F	510	272/0	128/0	0/0	0/0	110/0	0/0	0/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, E, B, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 MAX (LBS)	LC1 MAX (LBS)	UNBRAC LENGTH	MEMB.	FORCE (LBS)	LC1 MAX (LBS)	LC1 MAX (LBS)
FR-TO		FROM	TO			FR-TO			
A-B	0/345	-122.4	-122.4	0.49 (1)	10.00	F-C	-454/0	0.16 (1)	0.01 (1)
B-H	-331/0	-104.9	-104.9	0.44 (1)	6.25	F-D	0/56	0.01 (1)	0.00 (1)
H-C	-102/0	-104.9	-104.9	0.38 (1)	6.25	G-H	-81/380	0.00 (1)	
C-D	-42/0	-104.9	-104.9	0.51 (1)	6.25				
E-D	-317/0	0.0	0.0	0.12 (1)	7.81				
B-G	0/53	-28.0	-28.0	0.09 (3)	10.00				
G-F	0/53	-28.0	-28.0	0.22 (2)	10.00				
F-E	0/0	-28.0	-28.0	0.22 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5 PSF
DL = 3.0 PSF	
BOT CH.	LL = 10.5 PSF
DL = 7.0 PSF	
TOTAL LOAD	= 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CS: TC=0.51/1.00 (C-D:1), BC=0.22/1.00 (F-G:2), WB=0.16/1.00 (C-F:1), SS=0.40/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1667 822 2284 1656	

PLATE PLACEMENT TOL = 0.250 inches

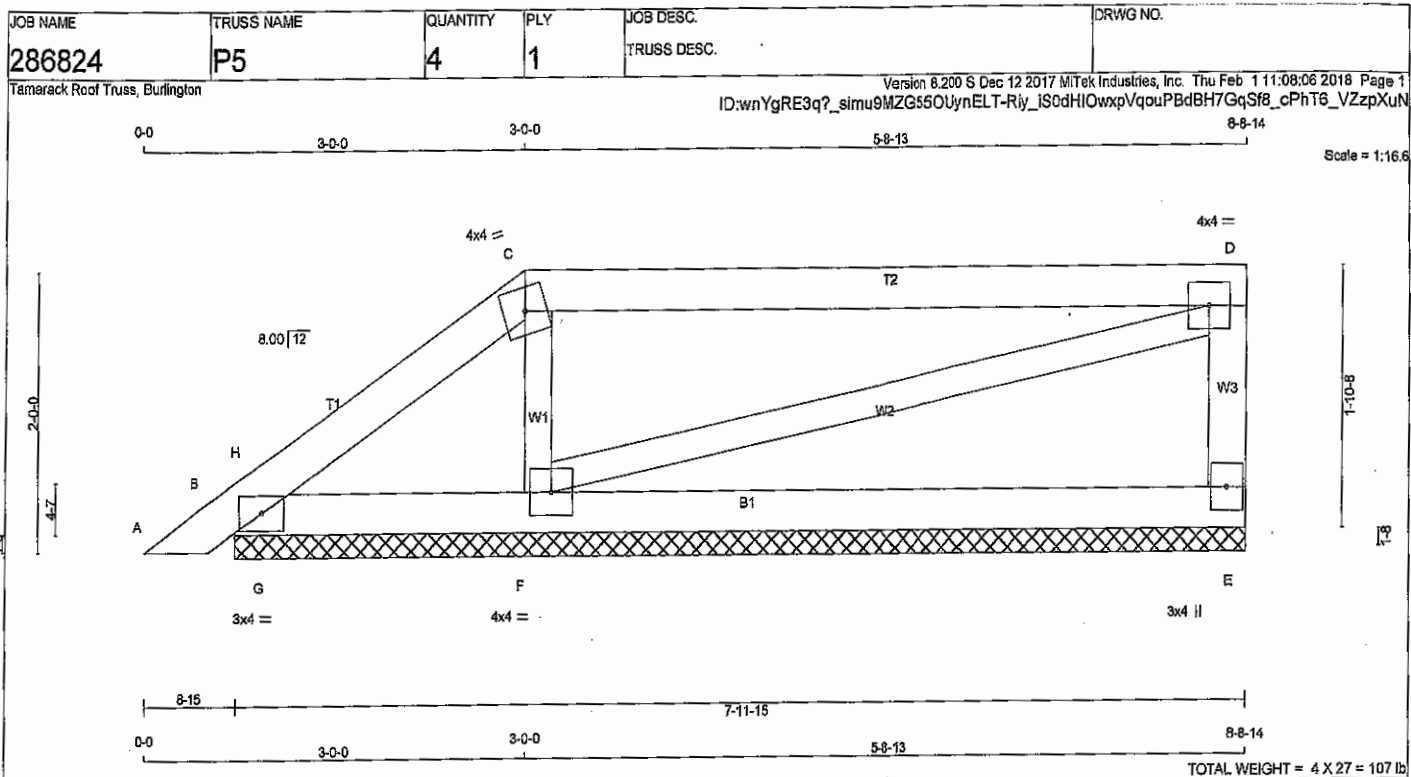
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.85 (B) (INPUT = 0.90)
 JSI METAL= 0.30 (B) (INPUT = 1.00)



DWG NO. TAM 7352-18
 STRUCTURAL
 COMPONENT ONLY

SITE COPY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
B - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY, SEASONED LUMBER.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMS1-I	MT20	3.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVW1-I	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
E	388	0	388	0	7-11-15	7-11-15
B	211	0	211	0	7-11-15	7-11-15
F	553	0	553	0	7-11-15	7-11-15

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS		PERM.LIVE	WIND	DEAD	SOIL
		SNOW	LIVE				
E	285	189 / 0	47 / 0	0 / 0	0 / 0	49 / 0	0 / 0
B	140	134 / 0	0 / -4	0 / 0	0 / 0	10 / 0	0 / 0
F	489	239 / 0	125 / 0	0 / 0	0 / 0	105 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, B, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 18	-104.9 -104.9	0.03 (1)	10.00	F-C	-364 / 0	0.05 (1)
B-H	-3 / 50	-104.9 -104.9	0.04 (2)	10.00	F-D	-4 / 17	0.00 (1)
H-C	-56 / 0	-104.9 -104.9	0.05 (1)	6.25	G-H	-204 / 0	0.00 (1)
C-D	-17 / 4	-104.9 -104.9	0.59 (1)	6.25			
E-D	-308 / 0	0.0 0.0	0.03 (1)	7.81			
B-G	-3 / 41	-28.0 -28.0	0.08 (1)	10.00			
G-F	-3 / 41	-28.0 -28.0	0.21 (2)	10.00			
F-E	0 / 0	-28.0 -28.0	0.21 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5	PSF
DL = 3.0	PSF	
BOT CH.	LL = 10.5	PSF
DL = 7.0	PSF	
TOTAL LOAD	= 53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.59/1.00 (C-D:1), BC=0.21/1.00 (F-G:2), WB=0.05/1.00 (C-F:1), SS=0.23/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MT20	618	354	1687 822 2284 1658

PLATE PLACEMENT TOL. = 0.250 inches

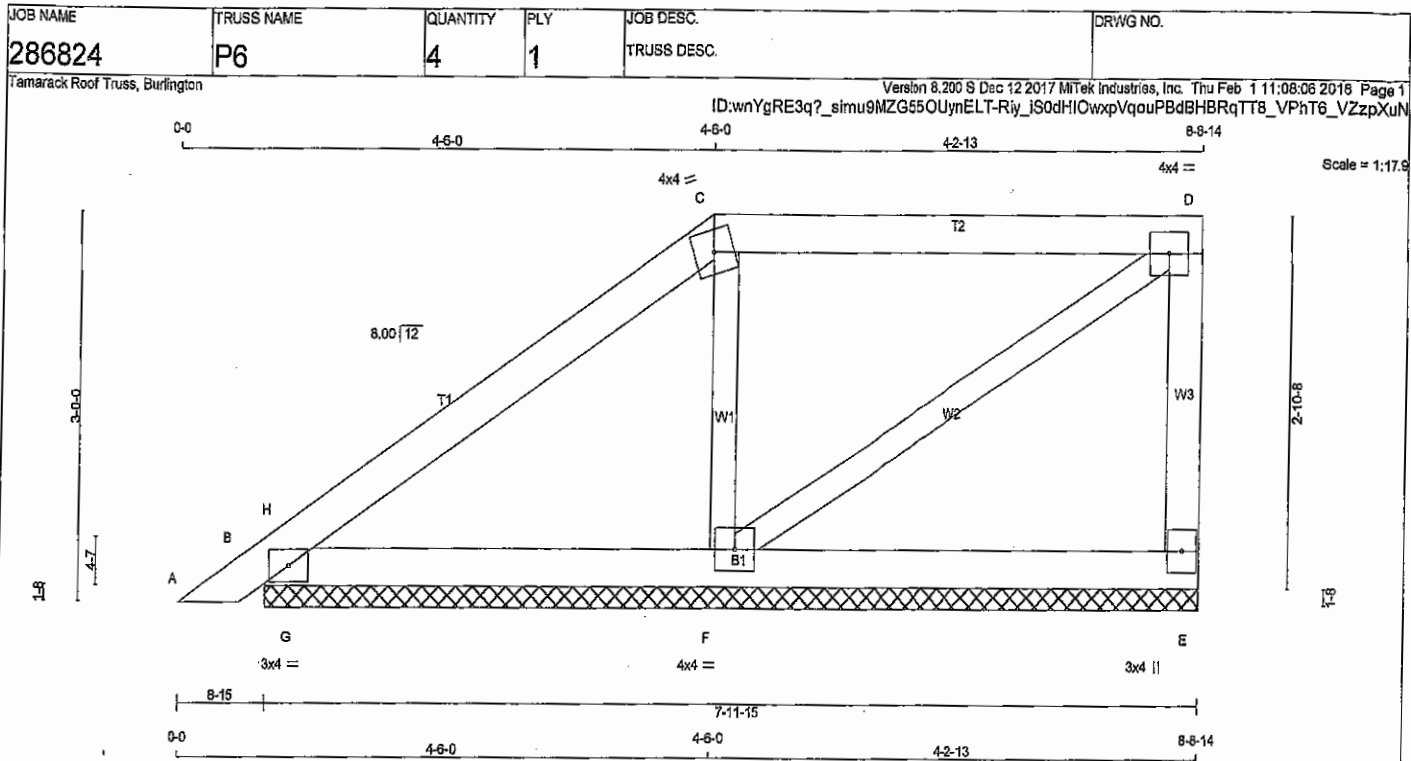
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (C) (INPUT = 0.90)
JSI METAL= 0.05 (F) (INPUT = 1.00)



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DWG NO. TAM 7389-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - D	2x4	DRY No.2	SPF
E - D	2x4	DRY No.2	SPF
B - E	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMWV-t	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
E	291	0	291	0	7-11-15	7-11-15
B	343	0	343	0	7-11-15	7-11-15
F	498	0	498	0	7-11-15	7-11-15

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	224	150 / 0	36 / 0	0 / 0	0 / 0	38 / 0	0 / 0
B	257	186 / 0	33 / 0	0 / 0	0 / 0	39 / 0	0 / 0
F	413	228 / 0	99 / 0	0 / 0	0 / 0	67 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, B, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 / 18	-104.9	-104.9	0.03 (1)	10.00	F-C	-348 / 0	0.05 (1)	
B-H	-52 / 18	-104.9	-104.9	0.07 (1)	6.25	F-D	0 / 58	0.01 (1)	
H-C	-84 / 0	-104.9	-104.9	0.18 (1)	6.25	G-H	-357 / 50	0.00 (1)	
C-D	-49 / 0	-104.9	-104.9	0.32 (1)	6.25				
E-D	-253 / 0	0.0	0.0	0.04 (1)	7.81				
B-G	0 / 63	-28.0	-28.0	0.16 (1)	10.00				
G-F	0 / 63	-28.0	-28.0	0.16 (1)	10.00				
F-E	0 / 0	-28.0	-28.0	0.14 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 32.5 PSF
	DL = 3.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 886-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.32/1.00 (C-D:1), BC=0.16/1.00 (B-G:1), WB=0.08/1.00 (C-F:1), SS=0.28/1.00 (B-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1687
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.90)
JSI METAL= 0.06 (C) (INPUT = 1.00)



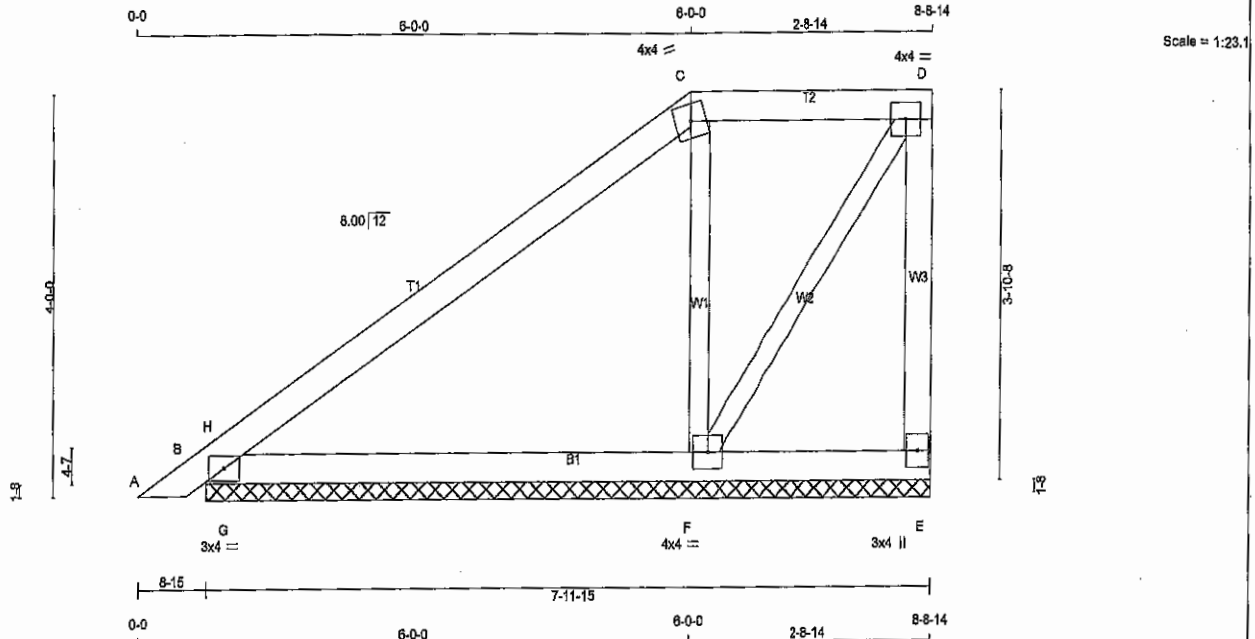
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DRWG NO. TAM 7390-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
286824	P7	4	1			

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 11:08:08 2018 Page 1
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LUMBER
N. L. G. A. RULES
CHORDS SIZE DRY LUMBER DESCR.
A - C 2x4 DRY No.2
C - D 2x4 DRY No.2
E - D 2x4 DRY No.2
B - E 2x4 DRY No.2
ALL WEBS 2x3 DRY No.2
DRY: SEASONED LUMBER.

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMB1-I MT20 3.0 4.0
C TTW-m MT20 4.0 4.0
D TMVW-t MT20 4.0 4.0
E BMV1-p MT20 3.0 4.0
F BMWW1-I MT20 4.0 4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	219	0	219	0	7-11-15	7-11-15
B	447	0	447	0	7-11-15	7-11-15
F	466	0	466	0	7-11-15	7-11-15

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
		SNOW	LIVE			
E	163	119 / 0	20 / 0	0 / 0	24 / 0	0 / 0
B	343	233 / 0	53 / 0	0 / 0	57 / 0	0 / 0
F	368	210 / 0	95 / 0	0 / 0	83 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, B, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CS1 (LC)	MAX. MEMB. FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. MEMB. FORCE CS1 (LC)
FR-TO		FROM TO		FR-TO		
A-B	0 / 18	-104.9 -104.9	0.03 (1)	10.00	F-C -329 / 0	0.08 (1)
B-H	-128 / 136	-104.9 -104.9	0.18 (1)	6.25	F-D 0 / 115	0.03 (1)
H-C	-106 / 0	-104.9 -104.9	0.37 (1)	6.25	G-H -660 / 146	0.00 (1)
C-D	-68 / 0	-104.9 -104.9	0.13 (1)	6.25		
E-D	-236 / 0	0.0 0.0	0.05 (1)	7.81		
B-G	0 / 78	-28.0 -28.0	0.29 (1)	10.00		
G-F	0 / 78	-28.0 -28.0	0.29 (1)	10.00		
F-E	0 / 0	-28.0 -28.0	0.19 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.37/1.00 (C-H:1), BC=0.29/1.00 (F-G:1), WB=0.09/1.00 (C-F:1), SS=0.52/1.00 (B-G:1)

DOIL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

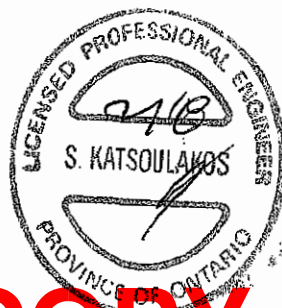
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.35 (B) (INPUT = 0.80)
JSI METAL= 0.10 (C) (INPUT = 1.00)



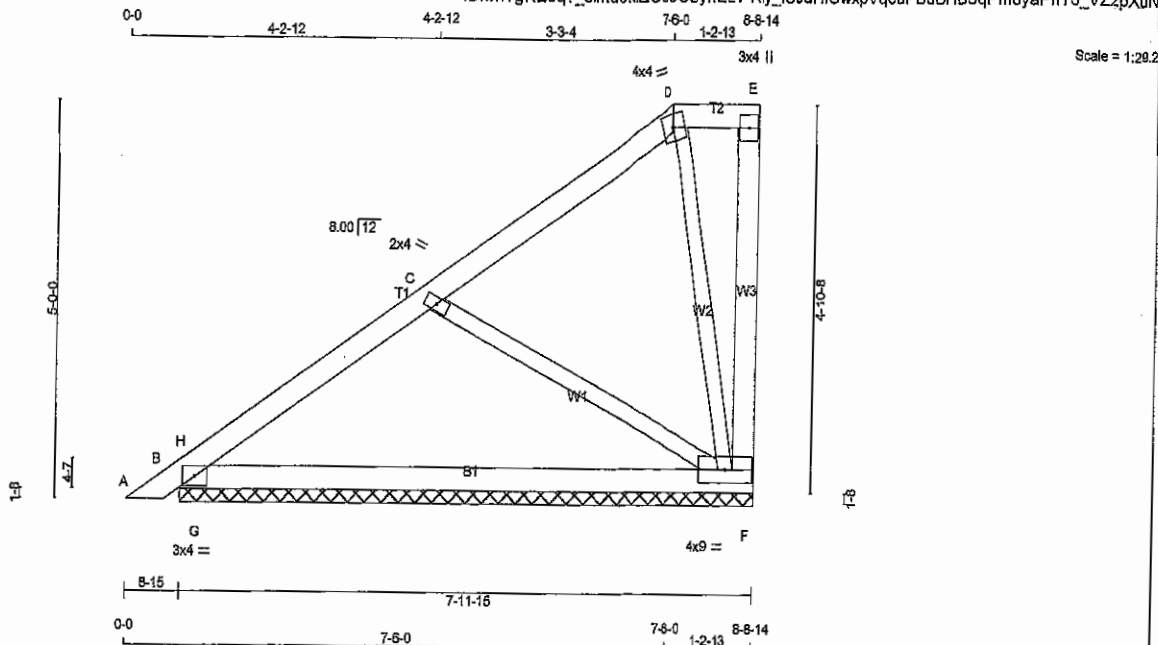
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DRWG NO. TAM 7391
STRUCTURAL
COMPONENT ONLY

JOB NAME 286824	TRUSS NAME P8	QUANTITY 4	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.200 8 Dec 12 2017 Mitek Industries, Inc. Thu Feb 1 11:08:06 2018 Page 1
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TOTAL WEIGHT = 4 X 33 = 132 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
A - D	2x4 DRY	No.2
D - E	2x4 DRY	No.2
F - E	2x4 DRY	No.2
B - F	2x4 DRY	No.2

ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

DESCR.
SPF
SPF
SPF
SPF

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	531	0	531	0	7-11-15	7-11-15
B	601	0	601	0	7-11-15	7-11-15

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	423	260 / 0	84 / 0	0 / 0	0 / 0	80 / 0	0 / 0
B	470	303 / 0	84 / 0	0 / 0	0 / 0	84 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 5.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 18	-104.9 -104.9	0.03 (1)	10.00	C-F	-489 / 0	0.18 (1)
B-H	-899 / 0	-104.9 -104.9	0.35 (3)	5.98	D-F	-156 / 7	0.03 (1)
H-C	-499 / 0	-104.9 -104.9	0.35 (3)	6.25	G-H	0 / 981	0.00 (1)
C-D	-81 / 0	-104.9 -104.9	0.23 (1)	6.25			
D-E	0 / 0	-104.9 -104.9	0.03 (1)	10.00			
F-E	-65 / 0	0.0 0.0	0.03 (1)	7.61			
B-G	0 / 462	-28.0 -28.0	0.34 (2)	10.00			
G-F	0 / 462	-28.0 -28.0	0.40 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5 PSF
	DL =	3.0 PSF
BOT CH.	LL =	10.5 PSF
	DL =	7.0 PSF
TOTAL LOAD	=	53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.38/1.00 (B-H:3), BC=0.40/1.00 (F-G:2), WB=0.18/1.00 (C-F:1), SS=0.60/1.00 (B-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)	SHEAR (PLI)	SECTION (PLI)
MT20	618	354	1687
		822	2284
			1656

PLATE PLACEMENT TOL. = 0.250 inches

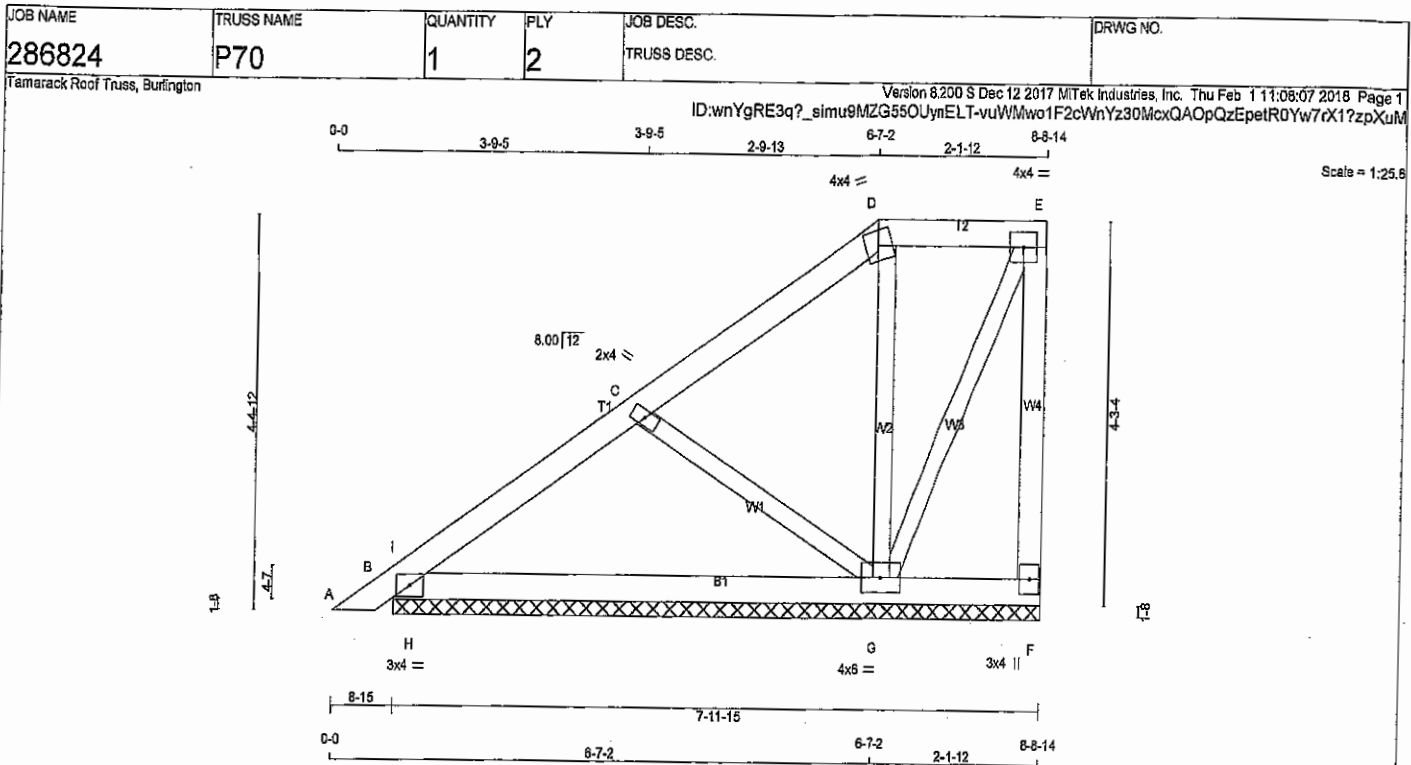
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.45 (B) (INPUT = 0.90)
JSI METAL= 0.19 (C) (INPUT = 1.00)



SITE COPY

DRWG NO. TAM 7392-18
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - E	2x4	DRY No.2	SPF
F - E	2x4	DRY No.2	SPF
B - F	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2
DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - D 1	12	TOP
D - E 1	12	TOP
E - F 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
B - F 1	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMW+w	MT20	2.0	4.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
F	19 0	19 0	-6 7-11-15	7-11-15
B	425 0	425 0	7-11-15	7-11-15
G	688 0	688 0	7-11-15	7-11-15

PROVIDE ANCHORAGE AT BEARING JOINT F FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	10	14 / 0	0 / -3	0 / 0	0 / 0	0 / 0	0 / -1	0 / 0
B	329	219 / 0	54 / 0	0 / 0	0 / 0	66 / 0	0 / 0	0 / 0
G	555	329 / 0	117 / 0	0 / 0	0 / 0	109 / 0	0 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, B, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO				FR-TO			
A-B	0 / 16	-104.9 -104.9	0.02 (1)	C-G	-353 / 0	0.04 (1)	
B-I	-442 / 0	-104.9 -104.9	0.07 (3)	G-D	-249 / 0	0.03 (1)	
I-C	-275 / 0	-104.9 -104.9	0.08 (1)	G-E	-92 / 0	0.01 (1)	
C-D	-8 / 21	-104.9 -104.9	0.08 (1)	H-I	0 / 372	0.00 (1)	
D-E	0 / 42	-104.9 -104.9	0.04 (1)				
F-E	-31 / 0	0.0 0.0	0.00 (1)				
B-H	0 / 257	-28.0 -28.0	0.05 (3)				
H-G	0 / 257	-28.0 -28.0	0.10 (2)				
G-F	0 / 0	-28.0 -28.0	0.09 (2)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 32.5 PSF
DL = 3.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 53.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPC 2011

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.08/1.00 (C-D:1), BC=0.10/1.00 (G-H:2), WB=0.04/1.00 (C-G:1), SS=0.10/1.00 (B-I:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.18 (G) (INPUT = 0.90)
JSI METAL= 0.05 (C) (INPUT = 1.00)



SITE COPY

DWG NO. TAM 7393-8
STRUCTURAL
COMPONENT ONLY

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 375.8 lbs FACTORED DOWN AT 4-8-0, 102.0 lbs FACTORED DOWN AT 6-4-4, 102.0 lbs FACTORED DOWN AT 8-4-4, 102.0 lbs FACTORED DOWN AT 10-4-4, 102.0 lbs FACTORED DOWN AT 12-4-4, 102.0 lbs FACTORED DOWN AT 14-4-4, 102.0 lbs FACTORED DOWN AT 16-4-4, AND 102.0 lbs FACTORED DOWN AT 18-4-4, AND 102.0 lbs FACTORED DOWN AT 20-4-4 ON TOP CHORD, AND 100.0 lbs FACTORED DOWN AT 1-11-4, 51.7 lbs FACTORED DOWN AT 3-11-4, 64.2 lbs FACTORED DOWN AT 4-6-12, 64.2 lbs FACTORED DOWN AT 6-4-4, 64.2 lbs FACTORED DOWN AT 8-4-4, 64.2 lbs FACTORED DOWN AT 10-4-4, 64.2 lbs FACTORED DOWN AT 12-4-4, 64.2 lbs FACTORED DOWN AT 14-4-4, AND 64.2 lbs FACTORED DOWN AT 16-4-4, AND 64.2 lbs FACTORED DOWN AT 18-4-4 ON BOTTOM CHORD--DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)						
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
O	4-8-12	-64	-64	---	BACK	VERT
S	6-4-4	-102	-102	---	BACK	VERT
T	10-4-4	-102	-102	---	BACK	VERT
U	14-4-4	-102	-102	---	BACK	VERT
V	18-4-4	-102	-102	---	BACK	VERT
W	1-11-4	-100	-100	---	BACK	VERT
X	3-11-4	-50	-52	---	BACK	VERT
Y	6-4-4	-64	-64	---	BACK	VERT
Z	10-4-4	-64	-64	---	BACK	VERT
AA	14-4-4	-64	-64	---	BACK	VERT
AB	18-4-4	-64	-64	---	BACK	VERT
						TOTAL



DWG NO. TAM 7347-18

STRUCTURAL
COMPONENT ONLY

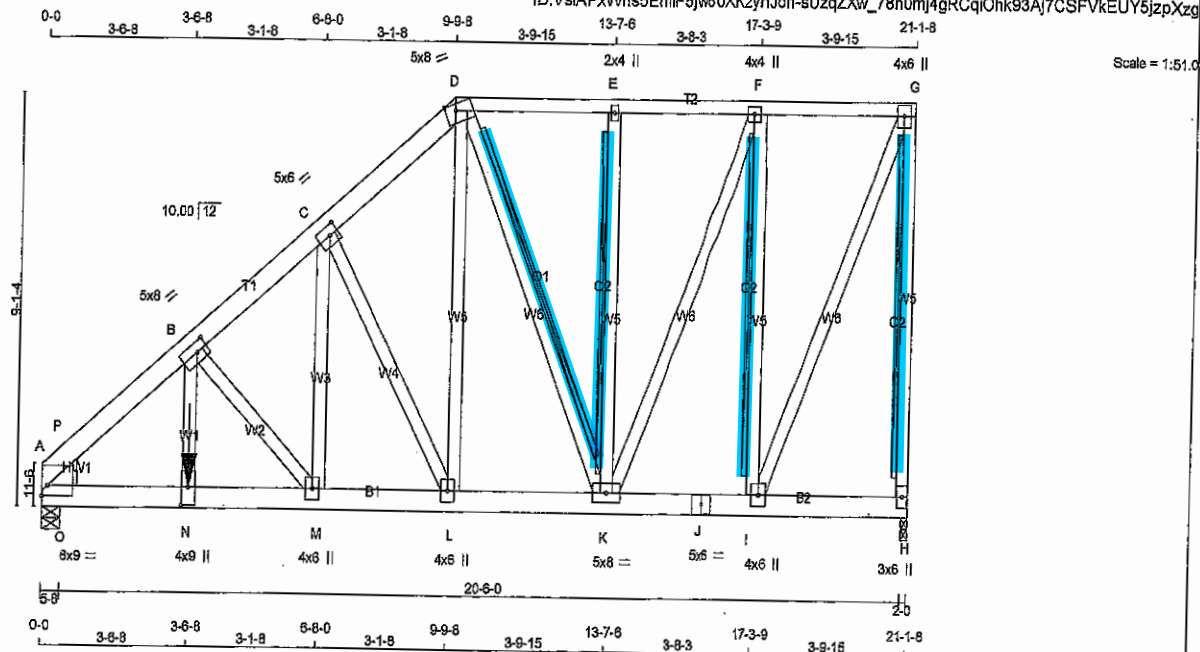
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286822

TRUSS NAME
T260XQUANTITY
1PLY
2JOB DESC. 44755
TRUSS DESC.

DRWG NO.

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 Mitek Industries, Inc. Thu Feb 11:02:27 2018 Page 1
ID:VsiAPxWhs5EmIF5jw50XK2ynJon-sUzqZXw_78h0mj4gRCqChk93A7jCSFVKEUY5jzpXzg

Scale = 1:51.0

TOTAL WEIGHT = 2 X 167 = 333 lb

LUMBER

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
A - J	2x6	DRY	2100F 1.8E	SPF
J - H	2x6	DRY	2100F 1.8E	SPF
ALL WEBS	2x4	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122'X3") SPIRAL NAILS			
A - D	2	12	TOP
D - G	1	12	TOP
G - H	1	12	TOP
BOTTOM CHORDS : (0.122'X3") SPIRAL NAILS			
A - J	2	12	SIDE(197.8)
J - H	2	12	TOP
WEBS : (0.122'X3") SPIRAL NAILS			
B - N	2	2	SIDE(1291.5)
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMBH1-I	MT20	8.0	9.0	2.75 1.50
B	TMWV1-I	MT20	5.0	8.0	2.50 3.25
C	TMWV1-I	MT20	5.0	6.0	2.50 2.50
D	TTWW-n	MT20	5.0	8.0	Edge 3.00
E	TMWV1-I	MT20	2.0	4.0	
F	TMWV1-I	MT20	4.0	4.0	
G	TMWV1-I	MT20	4.0	5.0	
H	BMV1-p	MT20	3.0	6.0	
I, L, M					
I	BMV1-I	MT20	4.0	6.0	
J	BS-I	MT20	5.0	8.0	
K	BMV1-I	MT20	5.0	8.0	
N	BMV1-I	MT20	4.0	9.0	4.75 2.00

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 5708.9 lbs FACTORED DOWN AT 3-6-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG UPLIFT IN-SX	REQD BRG IN-SX	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	
H	2361	0	2361	0	2-0
A	6156	0	6156	0	5-8

UNFACTORED REACTIONS

JT	COMBINED	1ST CASE SNOW	MAX/LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1868	1168 / 0	355 / 0	0 / 0	0 / 0	345 / 0	0 / 0
A	4939	3081 / 0	584 / 0	0 / 0	0 / 0	874 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, A

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.49 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x4 DRY SPF NO.2 T-BRACE AT G,H,D,K,E,K,F

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 8" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (7)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
A-P	-9924 / 0	-104.9 -104.9 0.42 (1)	3.49	N-B	0 / 4827	0.43 (1)	
P-B	-7826 / 0	-104.9 -104.9 0.38 (1)	3.95	B-M	-3501 / 0	0.42 (1)	
B-C	-4347 / 0	-104.9 -104.9 0.20 (1)	5.30	M-C	0 / 3037	0.27 (1)	
C-D	-2744 / 0	-104.9 -104.9 0.07 (1)	6.25	C-L	-2881 / 0	0.85 (1)	
D-E	-1620 / 0	-104.9 -104.9 0.11 (1)	6.25	L-D	0 / 2543	0.22 (1)	
E-F	-1621 / 0	-104.9 -104.9 0.11 (1)	6.25	D-K	-1191 / 0	0.46 (1)	
F-G	-940 / 0	-104.9 -104.9 0.11 (5)	6.25	K-E	-411 / 0	0.14 (5)	
H-G	-2309 / 0	0.0 0.0 0.75 (1)	7.81	K-F	0 / 1752	0.15 (1)	
A-O	0 / 5814	-28.0 -28.0 0.35 (1)	10.00	I-F	-2043 / 0	0.68 (1)	
O-N	0 / 5814	-28.0 -28.0 0.35 (1)	10.00	I-G	0 / 2341	0.21 (1)	
N-M	0 / 5814	-28.0 -28.0 0.34 (1)	10.00	O-P	0 / 2644	0.00 (1)	
M-L	0 / 3434	-28.0 -28.0 0.11 (1)	10.00				
L-K	0 / 2103	-28.0 -28.0 0.07 (1)	10.00				
K-J	0 / 940	-28.0 -28.0 0.03 (1)	10.00				
J-I	0 / 940	-28.0 -28.0 0.03 (1)	10.00				
I-H	0 / 0	-28.0 -28.0 0.02 (7)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX-	FACE	DIR.	TYPE
N	3-6-8	-5708	-5708	-	BACK	VERT.	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN./C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.76/1.00 (G+H), BC=0.35/1.00 (A-O), WB=0.65/1.00 (C-L), SS=0.65/1.00 (A-O:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PU)
MT20	616	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

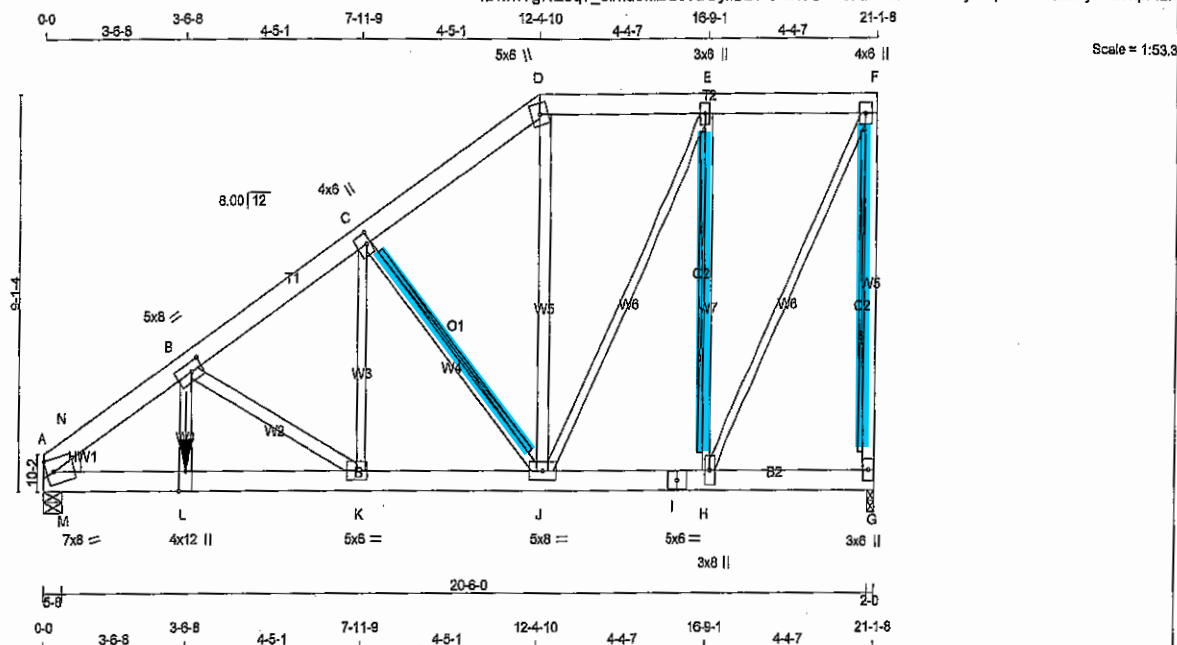
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (C) (INPUT = 0.90)
JSI METAL= 0.88 (N) (INPUT = 1.00)DWG NO. TAM 7364
STRUCTURAL
COMPONENT ONLY

SITE COPY

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 140 = 280 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF	
D - F	2x6	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
A - I	2x6	DRY	2100F 1.8E	SPF	
I - G	2x6	DRY	2100F 1.8E	SPF	

ALL WEBS EXCEPT	CHORDS	SIZE	LUMBER	DESCR.
L - B	2x4	DRY	No.2	SPF
B - K	2x4	DRY	No.2	SPF
J - D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - D 2	12	TOP
D - F 2	12	TOP
F - G 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
A - I 2	6	SIDE(481.5)
I - G 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	
B - L 2	2	SIDE(1114.4)
2x4 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMBH1-m	MT20	7.0	8.0		Edge
B	TMBW+H	MT20	5.0	8.0	2.50	3.25
C	TMBW+H	MT20	4.0	8.0	3.00	1.00
D	TTW+m	MT20	5.0	6.0		
E	TMBW+H	MT20	3.0	6.0		
F	TMBW+H	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMW+H	MT20	3.0	8.0		
I	BS-I	MT20	5.0	6.0		
J	BMW+H	MT20	5.0	8.0		
K	BMW+H	MT20	5.0	6.0		
L	BMW+w	MT20	4.0	12.0		Edge

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
G	2417	0	2417	0	2-0
A	6432	0	6432	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM.LIVE	
G	1912	1197 / 0	382 / 0	0 / 0	352 / 0
A	5053	3223 / 0	920 / 0	0 / 0	910 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, A

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.17 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x4 DRY SPF No.2 T-BRACE AT F-G, C-J, E-H

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	CS1 (LC)	MAX. UNBRACED
FR-TO		FROM TO	LENGTH	FR-TO
A - N	-11344 / 0	-104.9 -104.9	0.50 (1)	3.17
N - B	-9395 / 0	-104.9 -104.9	0.45 (1)	3.55
B - C	-4317 / 0	-104.9 -104.9	0.21 (1)	5.30
C - D	-2231 / 0	-104.9 -104.9	0.13 (1)	6.25
D - E	-1832 / 0	-104.9 -104.9	0.07 (1)	6.25
E - F	-1087 / 0	-104.9 -104.9	0.07 (1)	6.25
F - G	-2366 / 0	0.0 0.0	0.74 (1)	7.81
A - M	0 / 7614	-28.0 -28.0	0.41 (1)	10.00
M - L	0 / 7614	-28.0 -28.0	0.41 (1)	10.00
L - K	0 / 7614	-28.0 -28.0	0.38 (1)	10.00
K - J	0 / 3676	-28.0 -28.0	0.13 (1)	10.00
J - I	0 / 1097	-28.0 -28.0	0.04 (1)	10.00
I - H	0 / 1097	-28.0 -28.0	0.04 (1)	10.00
H - G	0 / 0	-28.0 -28.0	0.02 (3)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DI	TYPE
L	3-6-8	-8041	-8041	---	BACK	VR	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55% OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.70")
CALCULATED VERT. DEFL.(LL)= L/999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.70")
CALCULATED VERT. DEFL.(TL)= L/999 (0.15")

CSI: TC=0.74/1.00 (F-G:1), BC=0.41/1.00 (L-M:1), WB=0.76/1.00 (E-H:1), SSI=0.69/1.00 (A-M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.89 (L) (INPUT = 1.00)



DRWG NO. TAM 7308-18
STRUCTURAL
COMPONENT ONLY

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CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286824	T300	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 6.200 S Dec 12 2017 MITek Industries, Inc. Thu Feb 1 11:08:14 2016 Page 2
ID:wnYgRE3q? simu9MZG5sOUynELT-CER00B6ePiPnu16MGaZ3ytcSp27N0QZaXi2Pn5zpXuF

HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 8040.9 lbs FACTORED DOWN AT 3-6-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM 7300.08
STRUCTURAL
COMPONENT ONLY

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LUL/LUS/LJS/HUS/HHUS/HGUS

SIMPSON
Strong-Tie®

Standard and Double-Shear Joist Hangers



This product is preferable to similar connectors because of
a) easier installation, b) higher capacities, c) lower installed
cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

Installation:

- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1 1/2" nails into the header and 10d commons into the joist, and reduce the resistance to 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



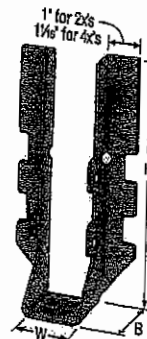
Double-Shear
Nailing
Top View



Double-Shear
Nailing
Side View;
Do not
bend tab



Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,603,580



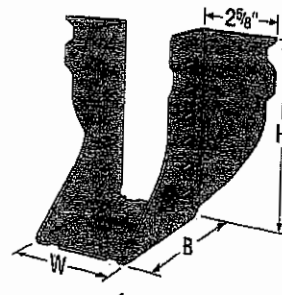
✓ LUS28



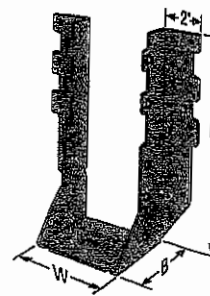
LU26L



✓ HUS210
(HUS26, HUS28,
and HHUS similar)

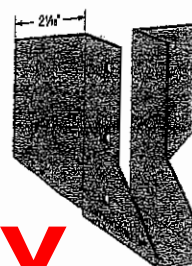
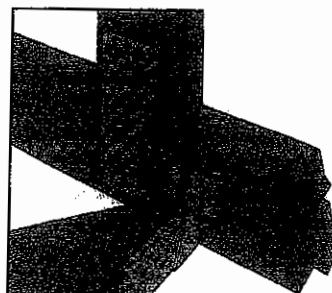


✓ HGUS28-2



✓ HHUS210-2

Typical HUS26
Installation
with Reduced
Heel Height
(Truss Designer
to provide
fastener quantity
for connecting
multiple members
together)



LJS26DS

Plated Truss Connectors

SITE COPY

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options information on pp. 125–127.

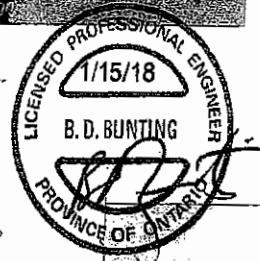
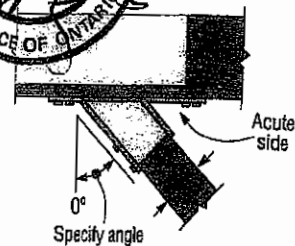
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.95 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
W < 2"	Bevel or square cut	0.62 of table value	0.46 of table value
2" < W < 6"	Bevel cut	0.67 of table value	0.41 of table value
2" < W < 6"	Square cut	0.46 of table value	0.41 of table value
W > 6"	Bevel cut	0.75 of table value	0.41 of table value


SIMPSON
Strong-Tie


**Top View HHUS Hanger
Skewed Right**
(joist must be bevel cut)
 All joist nails installed on the
 outside angle (non-acute side).

Standard and Double-Shear Joist Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32–34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _s ²	Header	Joist	D.F.P.		S-P-F	
								Down	Uplift	Uplift	Normal
								(K _d = 1.15) lb.	(K _d = 1.15) lb.	(K _d = 1.15) lb.	(K _d = 1.00) lb.
								kip	kip	kN	kN
Single 2x Sizes											
LUS24	18	1 1/8	3 1/2	1 3/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1156
								410	722	287	514
LU24L	22	1 1/8	3	1 1/8	2 1/8	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	726
								186	454	142	322
LU26L	22	1 1/8	5	1 1/8	4 1/8	(6) 10d	(4) 10d x 1 1/2"	720	1805	645	1140
								420	732	287	507
LUS26	18	1 1/8	4 1/2	1 3/4	3 3/4	(4) 10d	(4) 10d	1420	2170	1290	1630
								622	945	574	725
HUS26	16	1 1/8	5 1/2	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
								1537	2755	920	1724
LJS26DS	18	1 1/8	5	3 1/2	4 1/8	(16) 16d	(6) 16d	2055	4265	1460	4115
								1134	2437	649	1831
HGUS26	12	1 1/8	5 1/2	5	4 1/8	(20) 16d	(8) 16d	2685	6625	2685	5700
								1196	2951	1196	2535
LU28L	20	1 1/8	6 1/2	1 3/4	5 1/8	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550
								417	822	454	689
LUS28	18	1 1/8	6 1/2	1 3/4	3 3/4	(6) 10d	(4) 10d	1420	2520	1290	1790
								622	1122	574	796
HUS28	16	1 1/8	7 1/2	3	6 1/8	(22) 16d	(8) 16d	3605	5365	2675	4345
								2014	2986	1190	1933
HGUS28	12	1 1/8	7 1/2	5	6 1/8	(36) 16d	(12) 16d	3310	7675	3310	6900
								1171	3439	1474	3073
LU210L	20	1 1/8	8	1 3/4	7 1/8	(10) 10d	(6) 10d x 1 1/2"	1140	2495	1020	1770
								507	1110	454	787
LUS210	18	1 1/8	7 1/2	1 3/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210
								622	1239	574	983

1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d_s is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. Nails: 16d = 0.162" dia. x 3 1/2" long. See pp. 27–28 for other nail sizes and information.

SITE COPY

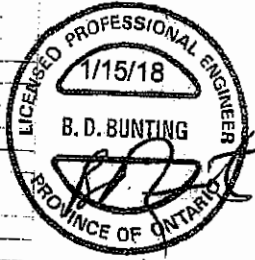
Face-Mount Hangers



These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance					
		W	H	B	d _e ³	Header	Joist	D-2B-L		S-P-F			
								Uplift	Normal	Uplift	Normal		
								(K _u = 1.15) lb.	(K _n = 1.00) lb.	(K _u = 1.15) lb.	(K _n = 1.00) lb.		
Double 2x Sizes													
LUS24-2	18	3 1/8	3 1/8	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435		
LUS26-2	18	3 1/8	4 1/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920		
HHUS26-2	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2065	5205		
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575		
HHUS28-2	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345		
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195		
HHUS210-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000		
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
Triple 2x Sizes													
HGUS26-3	12	4 1/8	5 1/2	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
HGUS28-3	12	4 1/8	7 1/4	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865		
HGUS210-3	12	4 1/8	9 1/4	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
Quadruple 2x Sizes													
HGUS26-4	12	6 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
HHUS210-4	14	6 1/8	8 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210		
HGUS210-4	12	6 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
HGUS212-4	12	6 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
HGUS214-4	12	6 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645		
4x Sizes													
LUS46	18	3 1/8	4 1/8	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920		
HHUS46	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2540	7335	2065	5205		
HGUS46	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
LUS48	18	3 1/8	6 1/8	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2575		
HHUS48	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345		
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
LUS410	18	3 1/8	8 1/8	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195		
HGUS410	12	3 1/8	9	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
HGUS412	12	3 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
HGUS414	12	3 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645		

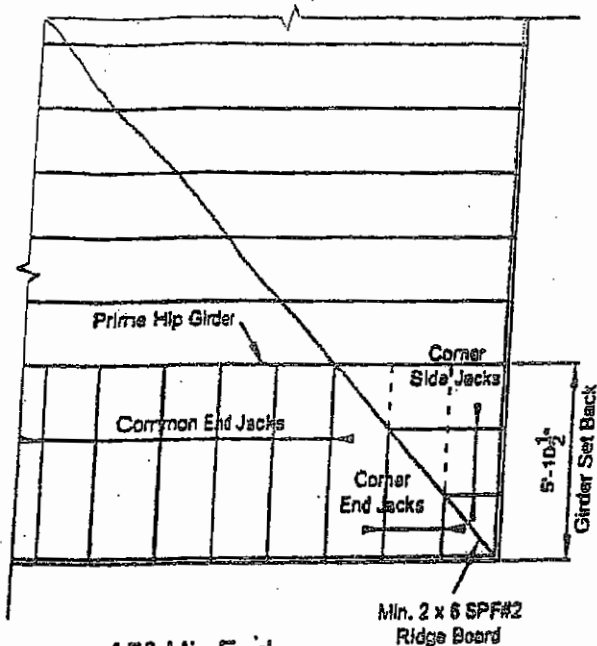


Plated Truss Connectors

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MICRO CITY ENGINEERING SERVICES INC.

TEL: (519) 287-2242



45° Hip End

LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2

BOTTOM CHORD : 2 x 4 SPF#2

WEBS : 2 x 3 SPF#2

UNLESS OTHERWISE SHOWN

DESIGN LOAD:

TOP CHORD LIVE LOAD : 34.8 P.S.F.

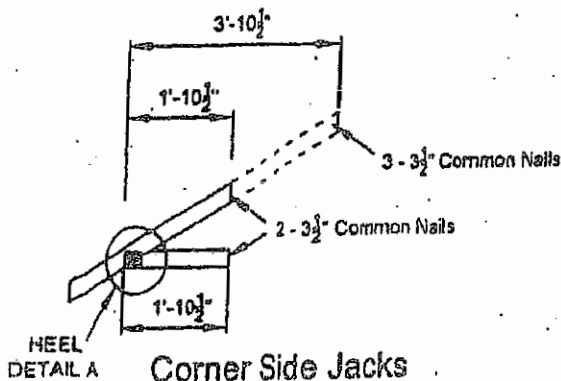
TOP CHORD DEAD LOAD : 3.0 P.S.F.

BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.

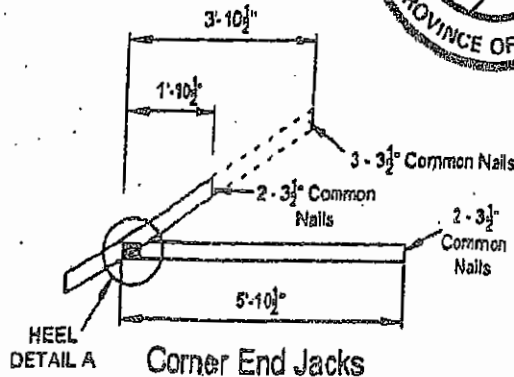
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD : 44.8 P.S.F.

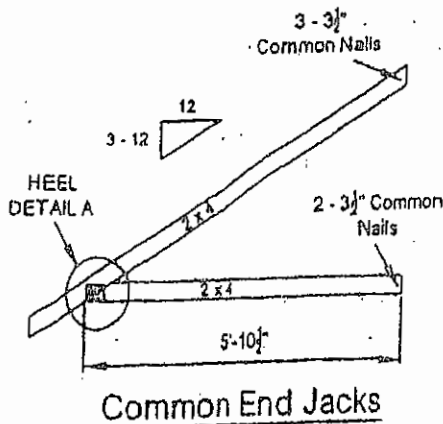
DWG NO TAM 3495.14
STRUCTURAL
COMPONENT ONLY



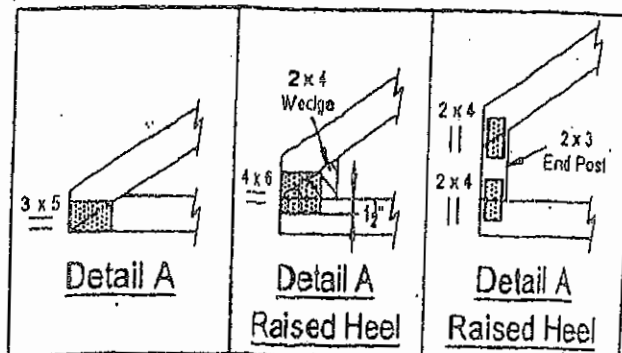
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.E.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

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MICRO CITY ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

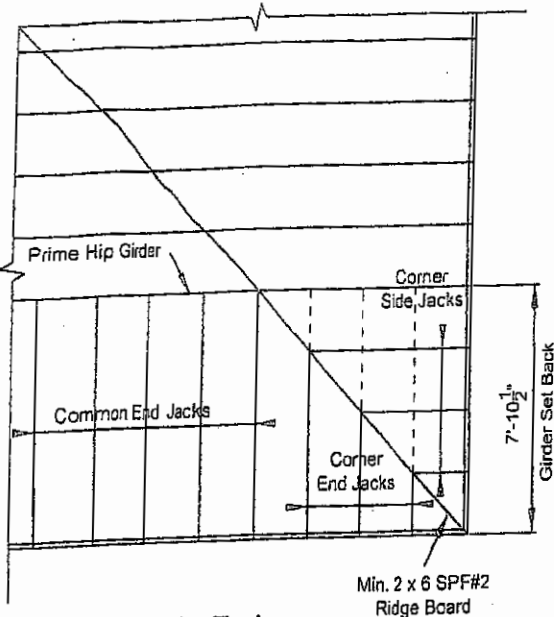
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

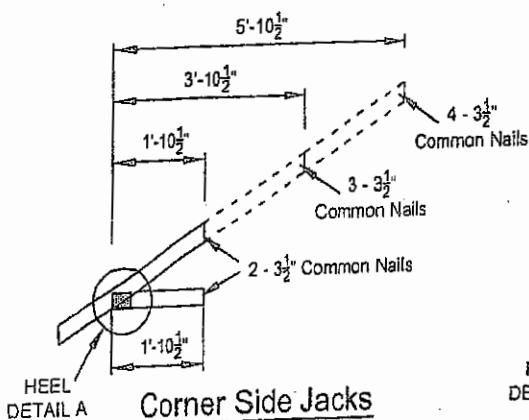
TOP CHORD LIVE LOAD : 40.5 P.S.F.
TOP CHORD DEAD LOAD : 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD : 50.5 P.S.F.

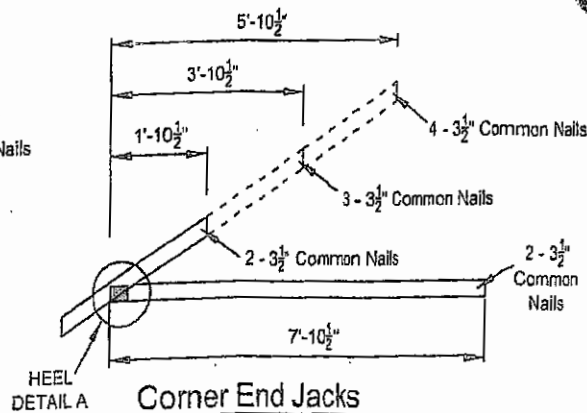


45° Hip End

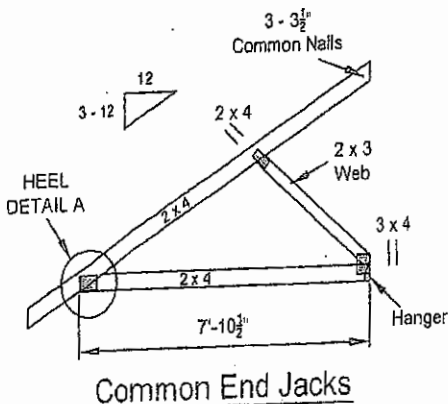
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STRUCTURAL
COMPONENT ONLY



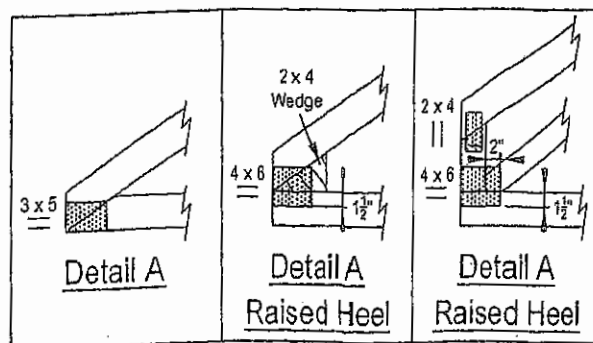
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

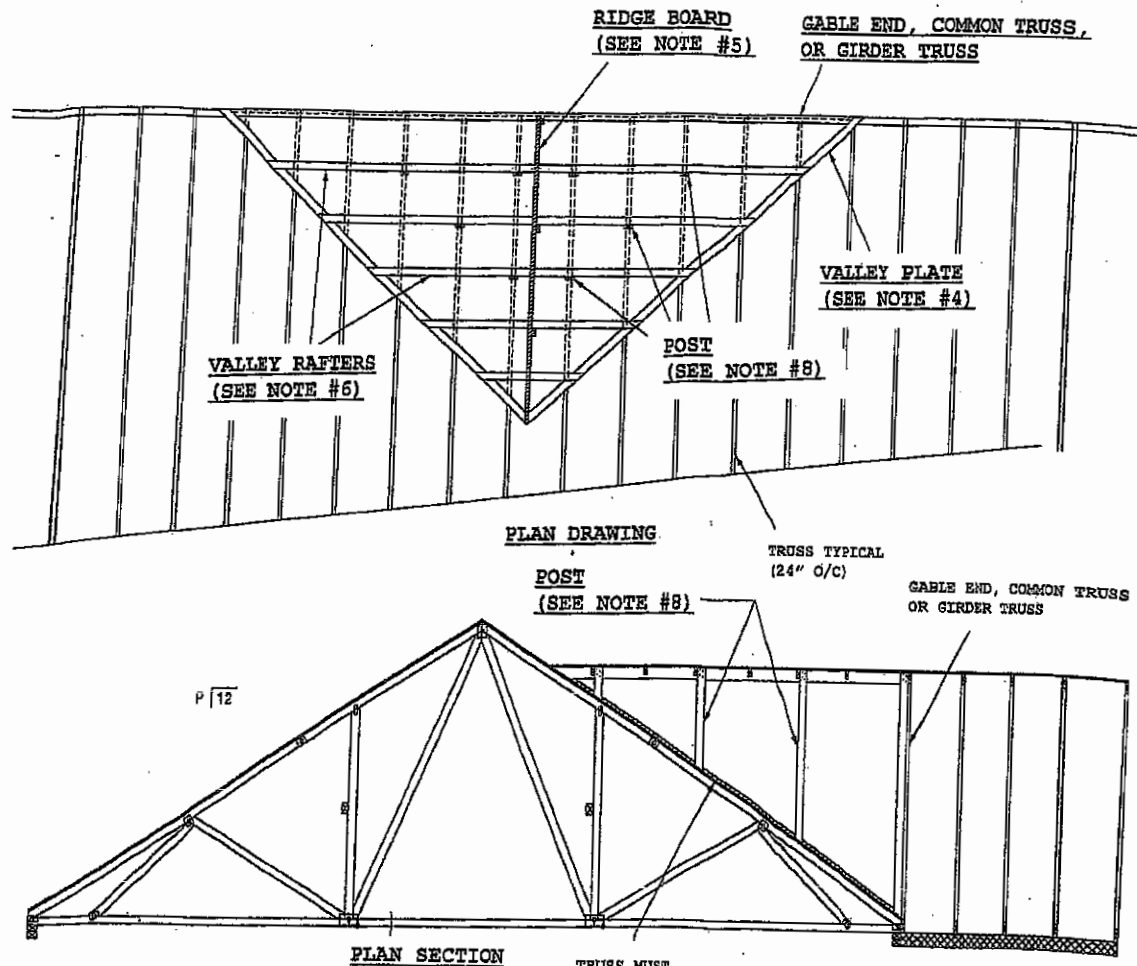
SITE COPY

MICRO CITY ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

CONVENTIONAL VALLEY FRAMING DETAIL



GENERAL SPECIFICATIONS:

- (1) WITH THE BASE TRUSSES ERECTED (INSTALLED), APPLY SHEATHING TOP CHORD OF SUPPORTING (BASE) TRUSSES.
- (2) BRACE BOTTOM CHORD AND WEB MEMBERS AS PER PRE-ENGINEERED TRUSS DESIGNS.
- (3) DEFINE VALLEY RIDGE BY RUNNING A LEVEL STRING FROM THE INTERSECTING RIDGE OF THE (a) GABLE END, (b) GIRDER TRUSS OR (c) COMMON TRUSS TO THE ROOF SHEATHING.
- (4) INSTALL 2 X 6 VALLEY PLATES ON FLAT. FASTEN TO EACH SUPPORTING TRUSS WITH (2) 16d (3.5" X 0.131") NAILS.
- (5) SET A 2 X 6 #2 RIDGE BOARD (MAX. 10'-0" RIDGE) OR 2 X 8 #2 SPF RIDGE BOARD (MAX. 20'-0" RIDGE). SUPPORT RIDGE BOARD WITH 2 X 4 POSTS SPACED 48" O/C. BEVEL BOTTOM OF POST TO SET EVENLY ON THE SHEATHING. FASTEN POST TO RIDGE WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST TO ROOF SHEATHING WITH (3) 10d (3" X 0.131") TOE-NAILS.
- (6) FRAME VALLEY RAFTERS FROM VALLEY PLATE TO RIDGE BOARD. MAXIMUM RAFTER SPACING IS 24" O/C. FASTEN VALLEY RAFTER TO RIDGE BEAM WITH (3) 16d (3.5" X 0.131") TOE-NAILS. FASTEN VALLEY RAFTER TO VALLEY PLATE WITH (3) 16d (3.5" X 0.131") TOE-NAILS.
- (7) SUPPORT THE VALLEY RAFTERS WITH 2 X 4 POSTS AT 48" O/C (OR LESS) ALONG EACH RAFTER. INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING. ALIGN POSTS WITH TRUSSES BELOW. FASTEN VALLEY RAFTER TO POST WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST THROUGH SHEATHING TO SUPPORTING TRUSSES WITH (2) 16d (3.5" X 0.131") NAILS.
- (8) POSTS SHALL BE 2 X 4 #2 SPF OR BETTER. POSTS EXCEEDING 75" IN HEIGHT SHALL BE INCREASED TO 4 X 4 #2 SPF, OR BETTER, OR BE PRE-ASSEMBLED TWO (2) PLY 2 X 4 #2 SPF OR BETTER FASTENED TOGETHER WITH 2 ROWS OF 10d (3" X 0.131") NAILS AT 6" O/C.
- (9) MAINTAIN A MINIMUM 3/4" LUMBER EDGE DISTANCE WHEN NAILING. NAIL SPACING SHOULD APPROXIMATE A MINIMUM 1-3/4" O/C OR MORE UNLESS NOTED OTHERWISE. ALL CONSTRUCTION TO CONFORM TO ONTARIO BUILDING CODE (CURRENT ADDITION AT ALL TIMES.

TRUSS MUST
BE SHEATHED

NOTES:

- (10) 48" O/C (MAXIMUM POST SPACING).
- (11) ROOF LIVE LOAD = 34.8 PSF (MAX.)
- (12) ROOF DEAD LOAD = 10.0 PSF (MAX.)
- (13) PART 9 APPLICATION ONLY (ONTARIO BUILDING CODE)
- (14) PART 4 APPLICATION ONLY (ONTARIO BUILDING CODE) WITH APPROVED REVIEW BY LICENSED PROFESSIONAL ENGINEER.
- (15) BASE TRUSS SPACING (24" O/C MAX.)
- (16) ALL PRE-ENGINEERED TRUSS COMPONENTS TO BE SEALED BY LICENSED PROFESSIONAL ENGINEER AND THIS DETAIL TO BE VERIFIED AND APPROVED BY SAME WHEN RIDGE BOARD LENGTH EXCEEDS 12'-0".
- (17) ALL BASE TRUSSES: P = 4 (4/12) - MINIMUM.
- (18) ALL VALLEY RAFTERS: P = 4 (4/12) - MINIMUM.

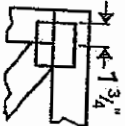


DBG NO T&M 6305.14
STRUCTURAL
COMPONENT ONLY

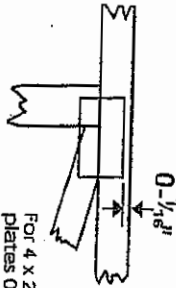
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Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

* Plate location details available in Mitek software or upon request.

PLATE SIZE

4 X 4

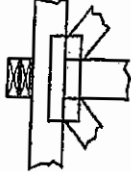
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING



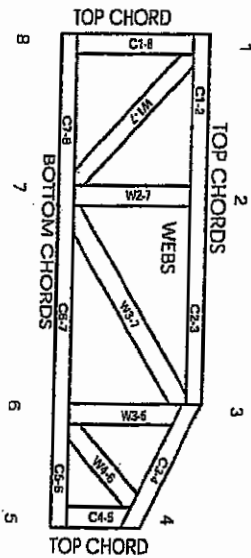
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate
Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

T1996-L, 10319-L, 13270-L, 12691-R

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Mitek Engineering Reference Sheet MIL-743C rev. 10-08



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral bracing members may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others, approval of an engineer.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.

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Micro City Engineering Services Inc.
(BCIN: 26064; FIRM BCIN: 29991)

RR #1, Po Box 61
Glencoe, Ontario
N0L 1M0

(519) 287 - 2242; Fax: (519) 287 - 5750 (Call)



Responsibilities:

Micro City Engineering Services is responsible for the design of trusses as individual components.

It is the responsibilities of others to ascertain that the design loads utilized on this (these) drawing(s) meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdiction over such decisions.

All dimensions are to be verified by the owner, contractor, architect, or other authority having input over such decisions prior to truss component manufacture. At no time shall Micro City Engineering Services Inc. or its employees be responsible for dimension errors.

Micro City Engineering Services Inc. bears no responsibility for the erection of any truss components. Persons erecting truss components are cautioned to seek professional advice regarding temporary and permanent bracing systems and to be **totally** familiar with all aspects of truss erection prior to proceeding on any truss component erection job. Any bracing shown on Micro City Engineering Services Inc. or Tamarack Roof Trusses Inc. sealed or unsealed truss component drawings is specified for the single truss component in question and is identified as an integral part of the design for that particular truss component but is not meant to represent the only required bracing for that particular truss component when installed as a component in a series of truss components in a roof truss system.

It is the truss manufacturer's responsibility to ensure that trusses are manufactured in accordance with Micro City Engineering Services Inc. specifications outlined below:

SPECIFICATIONS:

Truss components sealed by Micro City Engineering Services Inc. must conform to the relevant sections of the current Building Code of Ontario and Canada (Part 4 or Part 9) or the current Farm Building Code of Canada in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the Truss Plate Institute of Canada (TPIC). All unit lumber and nailing stresses identified on truss component design drawings and/or used in the design of individual truss components shall conform to the current CSA Wood Design standard identified in the current Building Code and TPIC Design Standards.

The lumber used to manufacture any truss component is to conform to the specified size and grade identified on the truss drawing.

The lumber used in the manufacture of any truss component is not to exceed 19% during its service use unless specifically noted on the truss drawing.

The lumber used in the manufacture of any truss component is not to be treated with any chemicals during its service life unless specifically noted on the truss drawing.

Connector plates shall be applied to both faces of the truss component at each joint and shall be positioned exactly as specified.

The top chord of any truss component is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the sealed truss component drawing but not exceeding 24" o/c (Part 9 design) and not exceeding 48" o/c (Part 4 or Agricultural design).

When a truss component is to be installed with no rigid ceiling attached directly to the bottom chord, then the bottom chord is to be laterally braced at intervals not exceeding 3m (or 10'-0").

All sealed or unsealed truss component drawings provided by Micro City Engineering Services Inc. Or Tamarack Roof Trusses Inc. should be read in conjunction with the following:

Warning-Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473C rev 10-'08 BEFORE USE. Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for individual building component. Applicability of design parameters and proper incorporation of component is the responsibility of the building designer - not the truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection, and bracing, consult TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component Safety Information available from the Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA, 22314.

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